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EXTRACT

From an Act prescribing Rules for the Government of the State Library, passed March 9th, 1861.

SECTION 11. The Librarian shall cause to be kept a register of all books issued and returned; and all books taken by the members of the Legislature, or its officers, shall be returned at the close of the session. If any person injure or fail to return any book taken from the Library, he shall forfeit and pay to the Librarian, for the benefit of the Library, three times the value thereof; and before the Controller shall issue his warrant in favor of any member or officer of the Legislature, or of this State, for his per diem, allowance, or salary, he shall be satisfied that such member or officer has returned all books taken out of the Library by him, and has settled all accounts for injuring such books or otherwise.

SEC. 15. Books may be taken from the Library by the members of the Legislature and its officers during the session of the same, and at any time by the Governor and the officers of the Executive Department of this State, who are required to keep their offices at the seat of government, the Justices of the Supreme Court, the Attorney-General and the Trustees of the Library.



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REFUSE OF TANNERIES.

I was interested in a large tannery, located in a barren and light, sandy, white soil, destitute of any fertilizing principles. Upon and over this abandoned surface the waste of tan-bark, hair, glue, soap, and liquor or refuse water, were carried promiscuously. After the first year, seeds and grain of all descriptions voluntarily grew. My father, residing on these premises, who is a practical horticulturist, observed this demonstration of tannery refuse, and put it to a practical use over a tract of about three hundred acres, as circumstances required. In a white, tenacious clay and sand soil, he used the hair and lime to raise Potatoes, both Irish and Sweet. The returns exceeded all expectation, and a comparatively worthless soil is now a rich, productive potato ground. The hair is slow to decompose, but lightens and invigorates the earth. Boston tan-bark is destitute of many fertilizing principles, but the experiment teaches that it is sustaining to Clover, as clover-seed will germinate and keep green in tan-bark longer than in any other manure.

"Hide-scraps, scrapings, leather-avings—all which are animal substances—decompose, by which the necessary gases are generated and imparted to the inquisitive rootlets. Especially when mixed with barn-yard manure or compost heaps, this makes a rich and valuable fertilizer, exceeding most of the manufactured stuff now on the market as more productive.

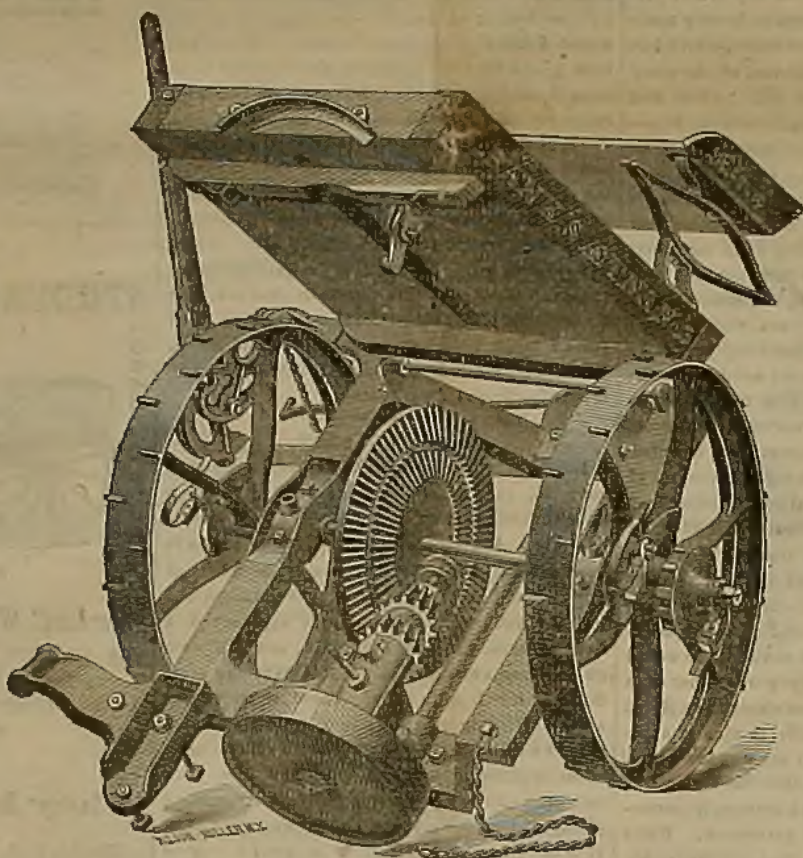
"The liquid waste of tanneries contains more fertilizing principles than all others named, yet it is run off; but wherever it does penetrate and serve the soil, mark the increase.

"The refuse water of the lime-vats, with equal parts of the tan liquor, is not to be excelled as liquid manure. In addition, sprinkle it over vines and Cabbages, and wash the bark of fruit trees with it—worms and insects will disappear. It is also on flowers—indeed there is no waste of tanneries, if properly applied. My father converted a desert into a charming, useful, and profitable soil—made the wilderness a beautiful home—and the chief agency was the use of the refuse of the tannery.

"Not a vestige of the tannery building remains—the fire-bend destroyed all—but where it stood and where the branches leading the liquor flowed, the surface that received the waste of the tannery is rich in producing qualities, and the luxuriant growth of every seed that falls upon this once barren soil tells of the transcendent value of the tannery waste and refuse. It will restore any land to productiveness, and prove a useful and paying investment to apply it.—Country Gentleman.

MILLS INSTITUTE GROUNDS.

The beautiful grounds around this finely located Institution are in admirable order, having been greatly improved within the past year, many new and beautiful flowering shrubs added to the flower parterres and lawns. These with the conservatory of rich plants are in excellent order under the careful attention of the excellent gardener, Mr. Reed. We noticed many fine Lillies, Amaryllis, and other rare plants in bloom there as well as a large Century Plant coming into bloom on the lawn, now some thirty feet high.



The Aetna Mower, with its Working Machinery shown, the Double Gearing, &c., &c.



The Aetna Mower at work in the field.

GOLDEN EAGLE HOTEL, SACRAMENTO.

Very few of the Hotels of our State have been continuously in the hands of one Proprietor, and this is the reason why so few are in reality successful, or that the Patrons are not constant visitors to such Hotels.

The Golden Eagle Hotel has been under the ownership of D. E. O'Sullivan, Esq., from the earliest years of the famed city of Fire and Flood, and the excellent Proprietor, known universally as a very attentive, courteous, and Gentlemanly Landlord has experienced all these trials of Fire and Flood, yet he has steadily gone on making new additions and improvements until now his Hotel is now one of the largest and best furnished and best kept Hotels, as well as most popular in the upper section of our State.

Large numbers of visitors from the East make the Golden Eagle their stopping place while visiting the Capital and that section of our State.

J. Maginnis, Esq., the courteous Bookkeeper, is always at his post to receive guests, while the Son of the Proprietor and his Father are sure to make all the guests feel "At Home."

The "Golden Eagle Hotel" now covers a large space, being four times the size of the original Hotel of early days, the last addition and improvement being a large "Reading Room" and a "Billiard Room," to be completed in very handsome style, thus securing all needed wants. Coaches and Carriages run regularly to and from all Railway Stations and Steamers—Passengers by the Routes are free.

OUR ILLUSTRATIONS.

On our Front above will be seen the famed Aetna Mower as advertised by the House of Treadwell & Co., the Pioneer Agricultural Warehouse of California.

This Mower is first seen open, showing its working gear, which is esteemed as among the best inventions of the time.

The second illustration shows the Mower in the field at work—the Machine almost appears moving, it is so life-like.

This Mower has been most successful in winning favor, and also liberal sales. Messrs. Treadwell & Co., have the exclusive sale of the Aetna.

SHIPMENT OF FRUIT BY RAILWAY.

Messrs. A. H. Cummings & Co., at Sacramento have done a very large trade in the shipping of Early Vegetables East this Spring to New York, Boston and Philadelphia, Cauliflowers, Asparagus, Rhubarb, &c., and all along the Railroad this side, and more recently they have been and are now sending all kinds of the best Fruits to every station on the Railroad, loading cars daily and sending Tons also by Wells, Fargo & Co's Express.

No one could form any idea of the quantity unless they should look on and see the Wagons loading every hour in the day—Messrs. Cummings & Co., are doing a large and successful trade in this line that shows that California Fruits are wanted abroad.

MURRAY, BESCHER, LORING AND THE TRAINER OF "GOLDSMITH MAID" ON THE HORSE.

Horse lovers will be interested to learn that the Rev. W. H. H. Murray has nearly ready for the press a work entitled "The Perfect Horse; How to Breed, Train, Shoe and Drive Him." Mr. Murray has been preparing this work several years, and his familiarity with the literature of the subject, his practical knowledge of the breeding and culture of horses, and his enthusiastic appreciation of them, peculiarly qualify him to produce a work of the highest value and importance. The book will contain, in addition to Mr. Murray's treatise, a preface by Rev. Henry Ward Beecher, who does not yield to Mr. Murray in admiration of a fine horse, an article by the Hon. George B. Loring, on the origin and rise of the New England Agricultural Society, with special reference to the horse, and a paper by Mr. Boddie, the famous trainer and driver of "Goldsmith Maid" telling "How the Trotting Horse Should be Driven." It will be dedicated by permission, and with special fitness, to President Grant. It will contain illustration of several noted horses. The work will form an octavo volume of between five hundred and six hundred pages, and will be published—probably by subscription—early in September next, by Messrs. James R. Orwood & Co.

The sugar crop of Louisiana promises to be as large this year as any of the boasted previous years. No less than 125,000 hogsheads are the estimate. The yield will realize a larger profit than ever before, and all without an hour of slave labor.

SPONGE ON THE SAN DIEGO COAST.

From the numerous specimens of Sponge found on the beach and in the caves of La Jolla, it is very probably that extensive beds of this valuable article of commerce exist somewhere in the neighborhood. Most of the Sponge of commerce is now procured from the Mediterranean Sea, more especially about the islands of the Archipelago and in the Levant. They are found adhering closely to the bottom, and require some force to be detached. The fishing is carried on principally by divers, although some is done by spearing which, however, materially injures the Sponge. The inhabitants of a small town named Oranidi, about twenty miles southeast of Nauplia, are the most expert divers, being trained to the business from their infancy. After being fished up, the Sponge, when perfectly free from sand and dry, is exceedingly light—almost as light as down, being moved by the slightest breath of air. There is a little trickery practiced in this business as in all others, and the sponges before being taken to market are laid on the beach to allow the ripple of the sea to stush them with the finest particles of sand. They are then gathered together in heaps, and pressed close enough to become hard and flat when dry. Notwithstanding they may subsequently undergo a thorough washing and sifting they will weigh three or four times their original weight. The principal Sponge market in the world is Smyrna, in Asia Minor.

The prices of Sponge that have been from time to time found on the beach at La Jolla are of excellent quality. A careful examination of the bottom a little distance from the shore might result in the discovery of an extensive bed of this zoophyte.—San Diego Union.

INSTRUCTIONS OF POSTMASTER GENERAL IN REGARD TO POSTAL CARDS.

Postal cards having written or printed thereon matter of a vulgar or indecent characters, scandalous epithets or disloyal devices will not be forwarded in the mail. Any person depositing postal cards, having written or printed matter thereon, as above forbidden, or causing to be deposited in the postoffice for mailing or for delivery, is subject to a fine of not more than five hundred dollars, or imprisonment of not more than one year, or both, according to the aggravation of the offense.

Postmasters are not, under any circumstances, permitted to redeem or exchange postal cards, that may be misdirected, spoiled in printing, or otherwise rendered unfit for use.

In their treatment as mail matter they are to be regarded by postmasters the same as sealed letters and not as printed matter, except that they are not to be returned to the writers or sent to the Dead Letter office. If not delivered within sixty days from the time of receipt, they will be burned by postmasters.

CLIPPINGS.

A farmer at Havana county, Ill., claims that pine trees keep off malarious diseases. He planted some a few years ago and they are now 25 feet high.

A team of twenty yoke of oxen recently passed through Danville, Ill., hauling on a wagon a plow which cuts a furrow five feet wide and two feet deep. The land side bar was twelve feet long. It is devoted to draining purposes.

The Census Office has completed its statistics of the manufacture of agricultural implements in the United States for the year 1870. It shows their value to have been \$52,000,000. This is more than three times the value of those made in 1860.

The largest fleece of wool reported this season is one of 30 pounds, clipped in Michigan from a three-year-old sheep of the Hammond breed.

[Our Michigan friend is in error, as we can beat 30 pounds easily in our "Golden State"—beat it by 5 or 10 pounds. Pennsylvania beats it largely, see reports in this Journal.—Ed. F.]

Wells, Fargo & Co. offer a reward of \$1,500 for the arrest and conviction of the highwaymen who robbed their treasure box on the Downsville stage, the 23d instant, or \$500 for either one of the parties. Also one quarter of the amount recovered in addition to the above \$1,500. The exact sum stolen was \$2,681.

[This is a liberal offer, as both rewards makes nearly the whole amount lost.—Ed. F.]

During the month of May there was shipped East over the railroad 5,435,560 pounds of freight from San Francisco, Sacramento, San Jose, Stockton and Marysville. Over two-thirds of this shipment was wool—4,206,716 pounds of California wool, and 92,843 pounds of Australian.

Large numbers of fat cattle from the lower counties are being now sent to Nevada and the Mountain Regions by the cars from Sacramento, our Stock raisers make a great saving of time and money by such a conveyance.

A valuable Raspberry, the "Golden ap," is mentioned by the Sacramento Record as now grown at the "Elm Gardens" and sold in that city. We learn it is a large and desirable fruit for preserving. We presume this may prove identical with the *Fellow Antwerp*, which is like it in description.



Agriculture.

MY BOOKS.

BY WALTER WHITE.

Oh! how sweet when I come home
To see around me many a tree;
Here to rest, there to muse,
Glean or wander as I choose.
One or two—no more to me—
Trob with echoes from the sea;
And in some my sense pervades
The harmony of forest leaves;
Here is one—a broken bow—
That babbles like a mountain brook;
Another, yet so gorgeous, still,
As sunset on a distant hill.
Endless landscapes cross my room,
Penny-dreams in twilight gloom;
Autumn, Winter, Summer, Spring,
Winged books, ye changeable bring
Something apt for each emotion,
Love or gladness, or devotion;
Ye to me, instead of wine,
Instead of child—am second life.
Ye at will give up your knowledge
Such as may best be called,
Turned into rigid rules,
Versed with learning of the schools;
Or ye proffer information
With an easy salutation,
As though meant, with purpose aye,
To put me off till by and by,
And leave me, after all endeavor,
In doubt of what is wise and clever.

Some of ye are in a stream,
In whose depths rare jewels gleam;
Happy be who kneels to drink
Lending o'er the steepy brink,
Catching thro' the current's flow
Flashes from the gems below.
Admirers of art and folly,
Cheerers of black melancholy,
Gentle, most personable Teachers,
Or authoritative Preceptors;
Companions full of life and spirit,
Mentors who some grudge inherit;
Something full of queerest fancies,
Vague as Jack-o'-lantern dances;
Other who are as prim
As Quakers' neat, sedate, and trim.
These or four are jolly fellows
Whom Time fortifies and mellow;
Some make a pretension to be wise,
Others chant a stirring ditty;
Selling every time and season
With a rhyme or with a reason.

Books beloved ye are to me
An unending family;
Ye for each day's irritation
Always bring a compensation.
How shall I doze come or gloom,
While ye lie about my room,
Looking down from friendly looks?
My reason upon ye, Books!

THE ACTIVE ELEMENT IN PLAY.

We make, of course, a great mistake if we overlook the active element in play, and children and grown persons must get their sport too easy, nor seeable themselves by sedentary amusements. [Here the important distinction of the active and passive voice opens upon us. In base-ball, in cricket, in billiards, in bowling, and in quoits and foot-ball, there is some stir of the limbs and the blood, and also good exercise for the perceptions and judgment. Spinning the top and flying the kite, playing marbles and battledoor, are milder sports, yet they have their use for the mind as well as the body, and they have place in physical education too important to allow any sensible man to despise them. We tend generally very much, however, away from all these outdoor active plays, and we like to get our amusement as easily as possible, with the least loss of time or cost of effort. Hence the prevalence of the sitting plays, the sedentary recreations. These are of various kinds, so cordial as they quicken the perceptions and the understanding at the table, as in the case of draughts, back-gammon, or the less objectionable forms of card-playing; or as in the case of riddles and charades and conundrums, they stir the wits; or in the play of girls with dolls and puppets, which start the fancy; or, lastly, in the games of chance, that move hope and fear without calling out any worthy action of mind or heart, and which are of doubtful service even in their mild forms, so ready are they to encourage the accursed passion for gaming. Now we certainly need to bring out the more active class of plays, of business and the professions would be much better every way if they would keep up the energy and the spirit of their youth by going with their children and young people to the base ball ground or the bowling-alley. It is the merest drivelt to speak of any of these wholesome sports as bad because they are sometimes abused. A billiard-table and a bowling-alley are no more evil in themselves than a dining room or a bath-house, for each of these may and has been perverted to monstrous corruptions.

It is becoming a very practical question how far the active sports should become so intense and personal as to excite emulation and influence partnership, as is so often the case with our rowing matches and ball-playing. Here a second distinction, based upon emulation and its absence, presents itself. To often these contests cease to be plays, and when the victory secures either a valuable prize or a substantial honor, the sport is too serious a business, and sometimes it brings health and even peace or mind into peril. It is fun to see Harvard and Yale or Oxford and Cambridge rivalry for the mastery, but the brave fellows who are straining their muscles to win the day for their color are not especially jolly, and no work is harder than theirs. Young men must, indeed, be manly, and not mind roughing it sometimes, and the boat-race is a place with the scramble of life, and one must not be over-ardent in play when we are to try our hand and take our chance in the rough-and-tumble of the world. It is best, however, to give to mainly plays as much gentility and harmony as possible. We can not ask young men, indeed, to be content with dachsel all the time with ladies in sympathetic round and party regulation. Nor can we hope to confine them to the routine of the gymnasium and its feats of turning and climbing. Military sports meet their active temper very well, and marching and counter-marching with banners and music are better and more friendly exercise than the over-lauding fight for supremacy, whether with the oar, or the foot ball, or the cricket; but, it is well to calm the pulses of youth, and even of children, by adding plays of representation to active sports, and a finer quality of fellowship goes with hearing music, seeing tableaux and pictures, walking in the fields, or rowing

or sailing quietly amidst pleasing scenery, or joining in a social party with its constant change of scenes and persons and recreations. We ought to make more of this style of amusement, and try to refine and dignify the love of fun in our young people by more taste and beauty.—Dr. SAMUEL GRISON, in *Harper's Magazine* for July.

TWO HUNDRED MILE TROT.

A trot of 200 miles came off at the St. Paul (Minn.) Driving Park on May 14th and 15th, Martin Delaney, matching his barrel mare of Morgan stock to go to the distance within 48 hours. The particulars are as follows: The trot was commenced on the 14th inst., at twenty minutes past four, A. M. Mr. J. Cummings holding the ribbons. The mare started out at a rate of more than two miles an hour, for the first two hours, and was gradually slowed to about an average of two miles an hour. At five minutes past ten she completed the first fifty miles, making it in some five hours and forty-five minutes. She was then given a rest of three hours and a half, and was started a little past half-past one on the second fifty miles. At half-past seven she had completed it, having made the first hundred miles in fifteen hours, which left thirty-three hours for the completion of the other hundred. She made the last mile of her first hundred on the 15th inst., the fastest of any—five and one-half minutes. The mare showed no signs of fatigue; never sweated a hair, and trotted off to the stable to feed at the end of her day's labor as briskly as though she had just come from the barn. On Thursday morning when taken out of the barn at five o'clock to complete the trot she seemed a little sore at first, but soon warmed up and commenced her day's work with wonderful ease. At ten o'clock she had completed thirty-one miles, and was withdrawn until four minutes past twelve P. M. After this rest, in which she manifested no signs of weariness, she made her next seven miles in one hour and two minutes. No pains were taken to keep a regular account of her rate of speed, but in general terms, it averaged through the day about six minutes and five and one-half seconds per mile for the first fifty miles and seven minutes and two and one-half seconds for the second fifty miles. After the rest given the mare—from seven until nine o'clock in the evening—all parties on the ground saw that she would make her 200 miles easily. She pursued her even gait, and a few minutes past one o'clock completed the race, making her last mile in nine minutes and thirty-one seconds. Thus she won the wager, and in less than three hours than the time given her. She trotted off the track seemingly unconcerned of the marvel she had performed. While she was on her last mile, Mr. Dyer, partner of Mr. Delaney, her owner, offered to wager \$1,000 that she would make the last mile of the 200 in five minutes; the wager not being accepted the race was allowed to go as she pleased.—*The American Turfman*.

SPOILING HORSES' FEET.

It is almost impossible to get a horse shod without having the frog cut away. All veterinary surgeons, all horsemen, all leading blacksmiths agree that the frog should not be pared so particularly—not even trimmed. No matter how pliable and soft the frog is, cut it away smooth on all sides, and in two days it will be dry and hard as a chip. You might as well cut all the leaves off trees and expect them to flourish as to pare away the frog and have a healthy foot. The rough spongy part of the frog is to the foot what leaves are to the tree—the lungs. Never have a red-hot shoe put upon the foot to burn it level. If you can find a blacksmith that is mechanic enough to level the foot without red-hot iron employ him. If you do not think so, try the red-hot poker on your finger-nail, and see how it will affect the growth of that. There are many other important points in shoeing horses; but these two are of more importance than all the rest, level to the apprehension of men not skilled in horses, and the two most disregarded.

DISEASES OF DOMESTIC ANIMALS.

We have the Second Annual Report on the Diseases of Domestic Animals of Connecticut, by Noah Orsney, M. D., the Veterinary Pathologist of the Board of Agriculture of Connecticut. This work of 60 pages, is a very valuable treatise upon the subject of "Diseases of Domestic Animals," embracing the "Pneumococcus," the "Texas Cattle Disease," the "Quesada Spinal Meningitis," "History of the Epizootic," its treatment and cure, the "Vermineous Bronchitis in Sheep." These subjects are all treated in a scientific and masterly manner. The effect of various diseased meats is also thoroughly shown, and all subjects connected with diseases in animals presented in a clear, concise, and most interesting manner. This work is the result of a careful examination and study of the diseases, while interesting, and contains very valuable information not before made public. We return thanks for the courtesy.

SHEEP TICKS.

Now is the time to exterminate ticks from sheep and lambs. An English veterinary has discovered that carbolic acid is death to ticks, and good for lambs. He says: Dipping the lambs in a diluted mixture of carbolic acid was found effective in destroying the parasite. The remedy suggested is absolutely harmless to the skin of the sheep; indeed, it is beneficial as a detergent, while it is certainly destructive to ticks. Used either as a dip or wash to be poured over the infested animal's skin, the carbolic acid mixture will be perfectly effective. No shepherd who has the welfare of his flock at heart will neglect such a simple plan of treatment when to find ticks very numerous in his sheep and lambs.

SHEEP FOR UTAH.

John S. Goe the noted breeder of Merino sheep, near Brownsville, Fayette county, Pa., has lately sold and shipped to Mr. Van Buren, of Utah, one hundred and eighteen sheep from his flock, and one pair of Angora Goats.

WHEAT IN OREGON.

Can we approximate the amount of wheat that can be grown on an acre of land in Oregon. The Tualatin prairie appears to be the natural home of wheat. It volunteers on the stable and a good crop is often the result. The tendency of wheat in many localities to develop too much straw, shows to the common farmer that his land has a superabundance of vegetable producing matter. This he has remedied by pasturing his wheat through the winter and spring with sheep. One of our old-timers informs us that he has wintered two hundred head of sheep on his one hundred acres of fall sown wheat, and now he thinks the growth will be so rank that much of it will lodge. This wheat, in its present condition, will likely yield thirty or thirty-five bushels per acre. By a judicious application of manures, possessing only elements that enter into the formation of grain, we predict that the average yield per acre could be doubled. Lime and plaster is what is needed here with us. To our knowledge no manure or fertilizers has ever been applied to the wheat fields of Washington county. Wheat has been grown for ten successive years on the same ground, and still no wheat failures have ever been reported. We could guano our lands here at a small cost if the farmers could only be awakened to the necessity of improving rather than exhausting their lands. Our proximity to the guano beds and the many vessels passing there in ballast, could bring us guano at low rates. Why should vessels float sand and stone as ballast for three thousand miles, and then tumble it into the Willamette river, instead of bringing us guano in its stead? Only that there is no market here for it. Farmers of Washington county, how long shall this be?—*Oregon Progressionist*.

CROPS IN TULARE.

It cannot be denied that this has been a dry season. No rain has fallen since January. Crops have suffered, and will be light, but is no sense a failure. And even a partial failure might have been avoided, by timely attention to the wants of our soil and climate. Yesterday we walked out into the suburbs of Visalia. We approached a field of grain. It looked splendid; and will yield no doubt an average of thirty bushels to the acre. Some of it will go to forty. There are about fifty acres. Wishing to know the secret of this success, we called upon the proprietor. He informed us that the ground had laid fallow last year, had been plowed deep, and put in early, sowing plenty of seed. No water had been applied to it. It is yet green, and will make as good a crop as could be wished. The ears are large and heavy. So much for good culture in dry seasons.—*Visalia Delta*.

IMMIGRATION AND CHEESE.

A contemporary accounts for the increased home consumption of cheese by a reference to the great annual immigration from countries where this article forms a staple article of diet than is usual with Americans. Compared with other kinds of animal food it is a very cheap substitute, containing, as it does, those essential substances, which contribute directly to flesh forming. From a total immigration of 291,217, German alone contributes 115,143, and these are notably a cheese consuming people. Assuming for the immigrants from all countries a consumption per individual of only one pound weekly the yearly aggregate would amount to fourteen and one-half million pounds. Should the influx of foreign settlers continue, therefore, the constant increase in cheese production will not be likely to throw any greater guarantee on the foreign market, or lower the rates at which cheese will be held for export.

TO WHOM IT MAY CONCERN.

An Exchange asks the following pertinent questions: Are you insured? Do you pay the proper? Do you feed the little bird? Do you kiss your wife before you leave in the morning, and when you return home at night? Do you sleep in a garment at night that you wear in the daytime? Do you fail to make good the promises you make to the children? Do you speak of your father as "the old man," or your mother or wife as the "old woman?" Be ashamed of it if you do, and quit it. Do you talk about your neighbors, and thus teach your children to do likewise? It is a sure sign of low breeding if you do, and a very dirty habit to fall into. Do you scold? If you do, and are a man, go hide yourself; you are a disgrace to the household of which you are supposed to be head. If you are a wife and mother quit the county and go to Salt Lake. You are past saving here; drowning in salt may do it.

FEEDING CATTLE.

J. F. Roach, Macopin Co., Ill., wrote us some time since that fifteen years' experience in feeding steers had convinced him that clean husked corn and good hay are the best food for raising cattle he has yet tried. He is now feeding one hundred three year olds in a barn built for the purpose. From the 5th of October, 1873, last, until the 1st of January, 1873, the average gain per head has been 200 lbs.

KENTUCKY CATTLE FOR ENGLAND.

A gentleman passed through Cleveland last week, with five head of Short Horn cattle recently purchased of Abram Renick and B. F. Van Meter, of Clark county, Kentucky, for Lord Dunmore, of England. Their price was \$12,000, and they are said to have been originally from England, but very materially changed in shape and proportions while in this country.

An old lady read an item in one of the papers, the other day, describing how a gladiolus burst in a saw factory and killed four men. She just happened to remember that there was a small gladiolus down in a cellar, leaning up against the wall. So she went out and got an Accident Insurance policy, and then, summoning the hired girl, and holding the pie-board in front of her, so that if the thing exploded her face would not be injured, she had the stone taken out in the alley, where twenty four buckets of water were thrown on it, and a stick was stuck in the hole, bearing a placard marked "Dangerous." She says it's a mercy the whole house was not blown to pieces by the thing before this.



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Of all sizes, with HEAVY TIRES riveted on, always on hand and sold for \$75 to \$175.
Having established a Manufactory to build Wagons, Beds, Brakes and Seats, I am better prepared than ever to furnish
JUST THE KINDS OF WAGONS NEEDED.

The attention of Dealers is especially requested.
E. E. AMES, General Agent,
Factory and Depot, 217 and 219 K St. Sacramento.
29.9.m3



Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale.
He has on hand and now ready to deliver:
Pure Bloods,
Half Breed, and
All Grades up to [Pure].

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.
For further particulars, address
N. GILMORE,
Eldorado, Eldorado Co.

N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars.
N. G.
37.17

THE NEW CORN FREE.

The New and Rare variety of Corn that we have received from CENTRAL AMERICA we shall be happy to distribute in parcels in various parts of the State in samples without money and without price, all that wants should call at
FARMER OFFICE.

A TWENTY YEAR OLD SACK OF FLOUR.

Those who desire to see the "Pioneer Sack of Flour," now TWENTY YEARS OLD, made at "Horseshoe Mills," Union City, in 1853, and awarded the Premium of a "Silver Cup"—can see this Pioneer Flour Sack, now good Flour, at the FARMER OFFICE.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us *Free* at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, we shall be glad to see them.

OIL CAKE MEAL

THE BEST FEED KNOWN FOR LIVE STOCK

WE DESIRE TO CALL ATTENTION TO OUR OIL CAKE MEAL, which we are now manufacturing in large quantities, and which we are offering at a low price, and in the best condition for use in the dairy business, raising and fattening stock, or growing, to give it a trial, testing it with confidence that they find it of very great value. By those who have used it, it is highly recommended to be equal to two parts of Corn Meal and in the United States Government Report of the Department of Agriculture for 1863, it stands in the following relation to other feeds as to the percentage of food produced from a hundred pounds of feed, viz: Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 15 per cent; Oil Cake Meal, 21 per cent. For the following properties to all stock:—1st, to sudden change weather or over-driving, has no equal. 2nd, For MILK COWS it is particularly valuable, because the quantity of milk and giving it a quality to a far greater extent than any feed known. A suitable quantity for it at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other feed, or mixed with the meal of bran, slops, roots, or feed of any kind. It improves it to such an extent that in a short time the effect being to increase the milk two or three times the quantity can be increased gradually, according to effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other feed—this beef always is more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will quickly prepare animals for market as Oil Cake Meal.

FOR HORSES it is a small quantity given daily promotes health, and is especially valuable for them who are injured from over-driving. It is one of the best feeds known for Horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and evenness of a horse's hair.

FOR SHEEP there is no article of food known that does such fine mutton or so promotes the growth of the wool as Oil Cake Meal. A small quantity given to chilled Cattle or sheep will warm them and greatly increase their warmth and vitality.

At present price (\$30 per ton), it is the cheapest feed in the market. It is now selling in New York at \$49 per ton, at \$50 per ton in England, where it has been proven a long time to be in every respect the most profitable known for stock of all kinds—oats being fully equal to three tons of bran.

The increasing demand for this meal from those who count by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are fully prepared to furnish it in quantities as may be desired by the Grain and Feed Dealers, and at the same time, for the use of the farmer. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORK
NOS 3 AND 5 FRONT STREET,
Sacramento

WALTER BROWN & SON
WOOL
COMMISSION MERCHANT,
26 and 28 Park Place

21 and 23 Barclay Street,
NEW YORK

WALTER BROWN,
HENRY T. BROWN.
Consignments Solicited, and advances made if required.
11-22-17

MARINE, FIELD TOURISTS AND OPERA GLASSES.

CALIFORNIA GOLD SPECTACLES, CALIFORNIA GOLD EYE-GLASSES, ROCK CRYSTAL LENSES, mounted in Fine GOLD, SILVER STEEL, and SHELL FRAMES. The largest stock in this city. SOLD WHOLESALE and RETAIL.
C. MULLER, Optician,
205 Montgomery St., Ross Block,
San Francisco.
35.21

Pacific Vinegar Works

POHLEY & KOSTER,
PROPRIETORS.

WORKS, COR. GOUGH AND FULTON STS.
HAYES' VALLEY.

OFFICE 321 FRONT ST.
(OF STABLES.)
Corner of Commercial, SAN FRANCISCO.

NAUBUC.

TROTTER STALLION, NAUBUC.

This extraordinary Trotting Stallion is 15 hands 2 inches high, in color Clear Jet BLACK, his weight is 1065 pounds. Naubuc was bred by Toronto Chief, out of the famous ten mile trotting mare Gipsy Queen. Toronto Chief was the first horse that trotted a half mile in a race of 1:18; he beat Commodore Vanderbilt in a race of 1:25 M, 2:34 M, 2:44 M. George Bidwell, once owned, trained and drove Gipsy Queen, claimed that she was by Wagner, out of a mare by Glenora, and in her last ten mile race with Capt. McGowan was beaten less than ten lengths by Bill. Naubuc's sire, dam and full brother, Toronto Chief, with a record of 2:23 M, are all famous as Naubuc, and in the Stud, which entitles this horse to special favor among the breeders of this State. Naubuc will stand this Season at the Naubuc Farm, in Lorenzo, Alameda county, the Season ending July 1st. Terms, \$50 for the Season. For particulars send for a circular to
DR. B. J. SMITH,
29.12
677 California street, San Francisco.

THE CALIFORNIA FARMER,

SAN FRANCISCO.

THURSDAY EVENING, JULY 3, 1873.

THE CALIFORNIA FARMER READING ROOM, AND MUSEUM OF NATURAL HISTORY.

220 Clay Street—Marble Building—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History (numberable), are constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all sciences with a Cabinet of Minerals, Geology, and Ornithology in the Naturalist to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines, or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first. This is believed to be the cheapest and best medium of reaching the agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

Editor's Chair,

HOME.

A very interesting story for new beginners at housekeeping, and for young married people, who wish to live a prosperous life, is found in the history of the "Black Silk Dress" we begin this week, as it shows how powerful in the effort to please a husband is the result in securing happiness. The story we found in the *Democrat's Monthly Magazine*, to be concluded next week. Advice to young ladies is also an important and interesting article.

We have an interesting letter from our esteemed Correspondent, M. A. S., which will appear next week.

RECEIVED AT FARMER OFFICE.

Iowa State Agricultural Society's Reports.—We are indebted to this Society for a copy of their Reports for the year 1872, a handsome bound volume of 525 pages, for which we return thanks. *New York Dry Goods Market.*—We have from the publisher, Joseph Mackey, Esq., a neat volume, being an Index of the Dry Goods Market of New York, an interesting list of all the Manufacturers, the Goods made, and list of all the Mills.

A New Book.—"Backskin Moss," or Life from the Lakes to the Pacific, an Indian Story—all told them—by O. G. Knapp, with many interesting sketches of Indian Life and Character, a Book is also illustrated. A. Roman & Co., are this book on sale.

St. Ignace College Exercises.—We acknowledge with pleasure the very interesting Entertainment of St. Ignace Literary Society of the College, which was held in the College Hall on Tuesday evening, it was a very creditable and highly pleasing Entertainment.

MUSICAL JOURNAL.

We have received a copy of a New Musical Journal, to be issued Monthly by O. A. Alkison at 23 Liberty street, New York. The present issue for July, received by us, contains an Portrait of Clara Louise Kellogg and four of Music, with Musical Sketches, Items of Musical Medical Information, the whole for the low price of \$1 per year. The name of the work, *Two Gosses*, and to be devoted to Music, Drama, Literature and Art.

More New Music.

We have received from the Musical Publishing house of M. Gray, Esq., the following specialties Music—among them three very beautiful songs:

Again—these words:

"I wander round the very spot
Where years ago we met,
And wonder when you quite forgot,
Or if you quite forgot."

Come Again," and "I Faithful Still Will
These are Gems of Songs. The Songs are
Published in exquisite style, highly cred-

Morning" is another piece of New Music

FREE LECTURES.

J. Smith of the Hygiene Home on Powell, delivers Lecture upon Hygiene every Friday evening, are highly instructive and very interesting for Gentlemen only, but the Ladies are also invited.

Lectures are now very largely attended, 200 to 300 persons who are directly interested in these questions are present. The lectures are highly interesting.

Established Remedy.—Brown's Bronchitis is widely known as an established remedy for Coughs, Bronchitis, Hoarseness and other ailments of the Throat and Lungs.

WHAT OF THE HARVEST, NOW?

The news from all sources confirm the most favorable statement this Journal has steadily maintained all the Season.

There can now be no longer any doubt as to the Crops of 1873 even our Country Newspapers that were heralds of "Short Crops" now announce "Good Crops, and from districts where "Drought" and "Lost Crops" were the common talk, now comes to word that the Crops will be equal to last year.

From the great "San Joaquin Valley" we have from the *Independent* the words that in that region the total yield will be nearly as great as last year, and crops yield them, twenty, thirty, and forty bushels to the acre.

From every source and every section of our Grain growing region, the reports come in with a large increase in estimate and glowing accounts in some places of 40 to 80 bushels per acre.

We know our general Harvest will be far beyond what was anticipated, and we rejoice for our Farmer's sake and for our State's true interest, for we know well that the "Ornakers" who cried out in April and May of "Lost Crops" have done our State Millions of dollars harm by retarding Emigration and injuring business generally.

California Exported Grain and Flour in the Harvest year of 1872, to the value of

TWENTY MILLIONS OF DOLLARS,

a greater Export than any two years before, and there were loaded from our ports Three Hundred Forty-seven Vessels up to this date.

The prospect is we shall need as many Ships this year also for our Products, for besides Grain and Flour, we shall have a large surplus of many products, some never exported before.

It is very unfortunate for our State that nearly all the freight money, (Many Millions of Dollars) must go abroad, for if our Capitalist were but wise California would own a "Clipper Fleet" that would be equal to any on the sea, and this line would pay as well as any agent.

Freights are now high, and will probably be higher still, these draining money from our State. Our *Voyagers* will offer a fair vintage, not equal to former years by reason of the severe frosts of last Spring.

Our Orchards are showing good crops of all kinds of Fruits, large quantities are going out over the "Railroads" to their extreme ends, prices have been fair.

The Wool Crop, will be a large one, but not of so great value by fully one-third as last year, Wool is however in better demand.

Our Products of all other kinds are generally good, offering a liberal reward to our Yeomanry for their year's labor, so Farmers in the Nation's broad domain have greater privileges and opportunities for success and for Prosperity and Happiness if they will improve the Blessings they enjoy, than the

FARMERS OF CALIFORNIA.

GRAIN SPECULATORS, AND SHIPPERS.

There has been a great deal said, written and published about Grain Speculators, and Shippers of Grain, and also Monopolists of Grain Shippers, a great hue and cry against this class of business men who have been the means of keeping the Grain trade in an active state.

We would ask, what would have been the condition of trade in the Grain market, if there had been no competition, or action? Competition is the life of Trade and this very excitement about Ships and Shipping, has had the tendency to send abroad many cargoes of Grain that otherwise would have now been in our Warehouses, while the present value of Grain would have been much less than it is now, and while this cry has gone out against these Grain Monopolists and Shippers, we venture to say, that nearly all of that class instead of making Millions, have had hard work to hold their own, while many of them have been losers heavily in this very business of Grain Shippers.

"All is not Gold that Glitters," it is one thing to "Load Ships" and send them to England with Grain, and another thing is to have them prove profitable, and we have learned enough of the last year's trade in this line, to know that the cause are rare where money has been made by the shippers.

GRAIN COMING.

The beginning of our Grain Harvest now shows itself along all the lines of our Railroads and Steamer Landings in the country, and on our Wharves in our Cities and at all the Depots of Shipment, Vallejo and Oakland.

The evidence shows that we are to have a "Big Harvest" for all who travel in the country will see long trains of cars loaded with Grain moving forward to the points of shipment, while the Grainfields in the country are alive with the Harvesters at work, these are the proof of a great and prosperous Harvest for 1873.

SUMMER FALLOW.

We have seen large fields where harvesting has already been done which have been plowed and the stubble turned under and the land left flat, one serious error however we noted, was the Shallow Plowing, in these cases where the stubble was under, when an shallow plowed, the land will quickly dry, while the stubble will not rot, whereas, if the land was deeply plowed, the stubble would rot and enrich the land, this is all important to our farmers.

EXCITEMENT—SENSATIONS.

Our Newspapers nearly all of them seem to Grate some kind of Excitement to keep them alive, and flaming Capitals, with Small-pox, Leprosy, or the Cholera, seems to give them pleasure, while the weak nerved and timid are the sufferers, and our Cities are made to suffer by a decline in business.

The publication of these sensational articles are abominable and should be frowned down everywhere.



THE NATION'S BIRTHDAY.

"The greatest glory of a free-born people,
Is to transmit that freedom to their Children."

This should indeed be the Spirit of every true born American, for a Country purchased at the cost of so much blood and treasure should be esteemed a Priceless Inheritance.

The Ninety Seventh return of our nation's "Birthday" will be celebrated by the people of our Nation from one end of the Continent to the other, and the people of other Nations now *Amici* united, and feeling the "Love of Liberty," will unite with us to make it a Grand and Glorious day.

We rejoice to see the spirit still alive that consecrates the "Glorious Fourth of July" to Liberty and Freedom and three years from to-morrow our Nation will celebrate its Centennial Birthday in the very City that first proclaimed it and where the Patriots subscribed their names to that "Declaration of Freedom" that will stand while time shall last, and where in the spirit of that great Charter they said.

"We will not be the traitor slaves,
While Heaven has light, or Earth has graves"

Eternal Vigilance is the Price of "Liberty," and we should so teach the youth of the present day, not so much by pageant and show, as by those great principles, that can alone prevent our Nation from the fearful dangers she has passed through safely thus far.

California will pay due honor to the day. San Francisco, Sacramento, and Stockton, will each observe the day in grand style, and all other principal Cities will also. In this City all business will be suspended not only for the 4th but for the 5th also, Business men, Mechanics, and Laborers, will all have rest and recreation, and Bonfire Illuminations, and Festivals will make the day Glorious with Orations, Poems, and amid the Shouts of Forty Millions of Farmers over our great country.

So may this Glorious Day be forever perpetuated, till the Earth shall crumble and time be no more.

AMERICAN POMOLOGICAL SOCIETY.

We publish this week the Premiums offered by the American Pomological Society for its Fourteenth Biennial Session, and for its Celebration of its Quarter Centennial Festival.

The grand gathering of the Fruit Growers and Horticulturists of the Nation will take place at the splendid Hall of the Massachusetts Horticultural Society at Boston, Mass.

The time fixed for the Exhibition is September the 10th, and to continue three days. The Premiums offered are of the most liberal character, but aside from these the pleasure and satisfaction of contributing, and of aiding to such a Grand Exhibition is of more intrinsic value than any pecuniary reward.

Most undoubtedly every State in the Union will be represented by one or more Delegates and Members, and by the best evidence of what each State can produce in her Fruits, and it is to be hoped that California will be there by her Men and Fruits, to show what the Golden State can do. This is a most auspicious moment for California to make her mark—let but our State do as she ought at this Fair and it would add Twenty Thousand to our Population.

CHICAGO INDUSTRIAL EXHIBITION.

A GRAND INDUSTRIAL EXHIBITION is to be held at Chicago this Autumn, commencing September 1st to continue from four to six weeks, and open to all the States for competition.

The Exhibition Hall will be a grand one; being 800 feet long and 200 feet wide, costing a Quarter of a Million of Dollars, it is designed to be the finest Exhibition Hall ever erected in the United States except the "Crystal Palace" erected some years since in the City of New York.

The buildings will be of the most substantial character and solid, so as to have them add to the growing fame of Chicago, as it is expected there will be exhibitors from every State in the Union.

A SPLENDID ROSE.

We notice reports made both in Europe and in this country of large and splendid Roses, and those of extraordinary size, but we do not call to mind any Rose that have measured over 5 inches in diameter or 15 in circumference.

We gathered this morning, a gorgeous Specimen from our garden from a large plant of Pauline Lantour which measured 14 inches in circumference—a very splendid specimen bloom—every petal perfect, we would like to know who can excel this Specimen.

COLD WEATHER.

We think that venerable persons, the oldest of our "Pioneers" can never remember so cold a May or June, as we have experienced this year, nor the opening of July so cold either, and yet vegetation seems to thrive and prosper well. We hope our Farmers have kept a record of the Temperature this Spring, for it would make a remarkable report.

It is estimated that the production of butter annually in the United States for the past five years, has been from 400,000,000 to 700,000,000 lbs.; that of cheese to have been between 240,000,000 and 260,000,000 lbs.

BANKS AND BANKING.

We are indeed the "Golden State," and especially so in regard to our Currency, for paper money (save our Gold notes) is at heavy discount, and even our Silver coin is at a discount also, and yet the cry is *More Banks! More Banks!*

In addition to the present well established Banks, and those of very large and solid capital like the Bank of California and the London and San Francisco, and also the heavy Gold Note Banks, we have more New Banks that open their doors for business this first week of July. The New Bank "Western Savings and Trust Co." next the Occidental Hotel, and the "Anglo California Bank," on California street. This last Bank has a nominal capital of \$6,000,000, in fact all the capital that can be used to come from Europe.

Another Bank is also spoken of, and will undoubtedly be put in operation, to be known as the Jewish Bank, to be founded by our wealthy Merchants, Messrs. Sechlers, Strauss, and other men of heavy means.

These movements towards Banking, and the much needed increase of capital, may be made to work very much to the advantage of our State if these Banks will give a helping hand to foster and encourage all legitimate Mercantile and Commercial pursuits, to stimulate Manufactures, and Ship Building, so that our great Grain Crops may be freighted in ships built and owned here, and thus save the Millions of freight money that now goes abroad to foreigners.

The New Banks can do much to help the true interests of our State if they are rightly managed, but if neglecting these true and best interests, they shall use their capital for Speculations in Stocks, for Diamond Schemes, Land Monopolies, or any of the schemes which are always afloat and ready to use money, then these Banks will work an injury instead of a benefit, and instead of relieving the business community from a pressure on its working interests, they will add to the stringency that has already checked many valuable enterprises.

THE DYSPEPSIA.

Those who have been suffering by this terrible affliction will always be glad to learn of any relief from the agony which attends the many pains, pangs, and mental distresses which accompany this fearful malady, for beyond all question there is no disease which it is the lot of mortal to endure that so completely unfits a person for any of the duties of business, or the enjoyment of life as this baneful disease.

The stomach is the Steam Engine that moves the body and mind by means of the steam (Blood) which is manufactured from the food taken into it, but if unconverted (undigested) the whole body and mind suffers, and the affliction is so great as often to make life a burden.

The Editor of this Journal having been a very great sufferer and for many months from this scourge of mortals, and having tried many remedies without relief, we were led to try as a light article of diet that famous Indian food the Pinole, using it twice and sometimes three times a day, and we are now ready to testify that we have received more real relief by this food from pain and suffering than from all other remedies we have tried for many months, and from its steady use we anticipate a certain and permanent cure. We can say that its use as food, in milk, prepared as a mush, or eaten with sugar, has given us great relief, so much so as to make us feel that we can urge all who suffer from *Dyspepsia* to try this valuable food.

SALE OF AGRICULTURAL IMPLEMENTS AT SACRAMENTO.

A short visit at Sacramento and a glance at the agricultural stores gave us evidence of very large sales of Mowers, Reapers, Headers and Harvesters, also, many Engines, Trunks, Farming Wagons, in fact times seemed very lively at Sacramento, we noticed a very large trade being done at the Warehouse of Messrs. Keller & Co's on J Street, who seemed to be doing the greater part of the Agricultural Trade in that region in Harvesting Implements, and having a large and new Stock on hand they are enabled to do so, and on the very best terms.

We observed the store also of Messrs. James Carlson & Co., they are doing a good trade in Hay, Tools, and Hardware and Mining Tools, of which they keep a good Stock.

E. B. Ames the "Headquarters" of the Studebaker Wagon, has sold large numbers of this famed Wagon, and is also manufacturing them in large quantities in order to meet the large demand made on him for wagons with his own improvements and finish.

Sacramento is a Live Place and a good general business is now being done there even in what may be called a dull season of the year.

SUGAR BEET, ARMY WORMS.

Some weeks since we spoke of the large Sugar Beet field of the Sacramento Best Sugar Manufacturing, and of the Army Worm that had then infested it, we also spoke of the 500 Turkey Gobblers that was put into that field, and the havoc they made of the worms, the result was the Turkeys were made fat and turned out a good profit, while the Beet field was cleaned and saved, we have seen the field, and it is in splendid condition.

NEW ZEALAND FLAX.

Those who desire to know what New Zealand Flax looks like, can call at the Postoffice yard, and they can see a large plant now in bloom.

New Zealand Flax is a valuable textile plant that could be grown to very large profit in California, no one article would pay a better return than "New Zealand Flax."

Pay due attention to young chickens; Keep coops clean and dry.

ALFALFA—BIG CROPS.

We give some Reports of the growing of Alfalfa which shows the success which has attended a more careful culture the last two years.

R. B. Blower, Esq., of Woodland, reports to the *Yolo Mail*, a grand result from his fields, he says: From 32 acres 130 Tons was gathered from the first mowing this year from my field, now the second year, and the crop now growing presents great prospects for a second crop.

Charles Green, Esq., of Yolo, whom we met in the cars informs us that his crop of 40 acres planted *Early this year* has given him one good mowing, and he has since placed fifteen Dairy Cows upon it, and they cannot feed it down, he is satisfied that *Alfalfa* will prove the best Hay crop he ever had.

Chas. H. Hedges, Esq., of Marysville, planted *One Hundred Acres* last year, the first mowing, on late overflowed land, gave him one and a half tons per acre. He planted another hundred acres this year, and from this he mowed one and a half tons per acre the first mowing, he feels as confident of the excellence of *Alfalfa* for Dairy Stock and for Sheep, that he designs planting Five Hundred more next year.

The following additional facts we give from Mr. Hedges, the second cutting of the two year field will yield about two to three tons per acre.

Another fact is that the severe frost in March did not seem to affect it at all in its growth. The *Alfalfa* is now cured green, and sells at about \$10 per Ton.

FACTS ABOUT INSURANCE POLICIES.

That there has been a large amount of Insurance Policies issued that were really not Insurance against Loss, is proved by the fact that many large fires the Companies Insuring, had no capital sufficient to bear their loss, and those holding Policies in such Companies were not insured at all, their Policy was only a blank paper in their hour of calamity.

Good Insurance is that which is safe, and where a fair rate is paid the Insurer. There are too many Companies, we fear, where such a capital of Two to Four Hundred Thousand Dollars, where they issue Policies for Millions, when a sweeping fire comes, they cannot meet their losses, and ruin falls on the Insurer because he sought Cheap Insurance instead of Safe Insurance.

Low rates induce great and extended risks to secure means, fair, just and equitable rates are the proof of care, wisdom and safety.

The time has come when the whole community are ready to meet the question of fair rates and to sustain Companies in this place, those that have a *bonified capital*, solid means, for the fact is, the Insurance Interest lies at the foundation of all the Commercial and Manufacturing Interests in the country.

The recent fires to which our Insurance Companies have been exposed, amounts to One and a Quarter of a Million each of the first two weeks in June, and within one week has \$43,000 lost and paid.

An instance has just occurred, the fire at the Candle Factory, on Saturday 14th, one Company refused to renew at low risk, and thus saved a loss of \$4,000 within twenty-four hours, fair, just and equitable rates alone can secure safety to the Insured when the Fire of desolation comes, and it is poor policy to seek for cheap Insurance when risks are as 40 to 1.

We claim the "Old Hartford" as one of the most careful and safe Insurance Companies, on our Coast. The able agent sets his heart like a Flint against dangerous risks and thus escapes many losses.

PACIFIC WAGON AGENCY.

We call special attention to the new Advertisement of D. A. Davis, Esq., Agent of the "Pacific Wagon," at Sacramento City, at the Warehouse of Messrs. Fish Bros. & Higgins, on Front, corner of K street.

These Pacific Wagons are all of the largest order, and made with especial reference to durability, and for the purpose for which they are named. By the card of references it will be seen they have become quite popular.

Purchasers should call at this Warehouse and see these Wagons.

We also call attention to the large 43 *Cylinder Threshers* which are for sale by this House, they are splendid implements for our Grain-growers, and these and the Wagons will be sold on the most advantageous terms.

FARMERS' CLUBS.

Farmers Clubs are now springing up by our State, and stirring up the Farmers on many lively discussions.

Farmers' Granges are also becoming quite popular, and as soon as they work into the practical machinery of reforms, they will become a great blessing to our State.

It is an observable fact that at all our Farmers' Club Meetings, a large amount of time is lost in discussing questions of little importance, what is now wanted is practical matters discussed.

PINOLE—PINOLE.

This famous Life Preserving Food, advertised in our Columns, should receive special attention as an article of diet, pleasant and wholesome as well as very healthful, it is superior as much to any kind made from the various Meals—it will satisfy all of its Excellence.

LIFE INSURANCE.

The large increase of sudden deaths, and the calamities which are so numerous and fatal to life, should prompt all "Heads of families" to make provisions for those dependent upon them. The Pacific Mutual Insurance Co., offers the best and safest policy on this coast.

Home Miscellany.



AS ONE.

So much of life do we have and hold—
Clouds and sunshine, pleasure and pain—
Which shall avail when the tale is told?
Will it be loss, or will it be gain?

What of the storms that blow high and low,
Sweep and dash over sea and shore,
Down the broad paths where the roses grow
Scattering leaves that shall bloom no more?

What of the hope that the storms of life
Battle, battle, and bring to earth?
After the struggle, the care and strife,
Shall it avail when we know their worth?

Ever and ever the world rolls on—
Hours, days, and the years fly far
And joy and pain, as the night and morn,
Shall be even as one at the last.

—Overland Monthly for July.

VISIONS OF THE NIGHT.

○ the visions that the night brings!
○ the fluttering of white wings,
○ the gleaming eyes and beautiful that down upon us bend!
○ the hum of happy voices,
○ the glad throng that rejoice,
When the visions of the midnight bring the absent friend to friend!

○ the faint feet that find me,
○ the dimpled arms that bid me,
○ the little love that softly from the starland comes to me!
○ the goddess, past revealing,
○ the glad and heart with feeling,
When upon my yearning bosom she is sleeping peacefully!

Ah, how sweet to know this dreaming
Is a glimpse, a twilight gleaming,
Of the beauty and the glory of the heaven we adore;
And the vision which beamed on us,
And the arms that fondly fold us,
Are the faces and embraces of the loved ones gone before.

○ the comfort that the night brings!
○ the fluttering of white wings,
○ the gleaming eyes and beautiful that down upon us bend!
○ the hum of happy voices,
○ the glad throng that rejoice,
When the visions of the midnight bring the absent friend to friend!

—By Ken M. Sherwood, in July Galaxy.

BY THE SHORE OF THE RIVER.

Through the gray willows the black winds are raving
Here on the shore, with its driftwood and sands
Over the river the lilies are waving,
Bathed in the sunshine of Orient lands;
Over the river, the wide, dark river,
Spring-time and Summer are blossoming forever.

Here, all alone on the rocks, I am sitting,
Gazing, and waiting—my comrades all gone—
Shadows of mystery dimly filling
Over the earth with its sorrowful moan,
Over the river, the wide, dark river,
Ah! what I wait for the Boatman forever!

Wife and children and friends were around me,
Labor and rest were the wages to my soul;
Honor and love were the laurels that crowned me;
Little I recked how the dark waters roll—
But the deep river, the gray, misty river,
All that I loved has been taken forever.

Meanly came a black boat over the willows;
Suddenly glided the keel on the sand;
Faintly loomed a figure from the willows;
There the dark Boatman stood, waiting his hand,
Whispering, "I come, O'er the shadowy river,
The who is dearest must leave thee forever."

That were brightest and skies that were bluest
When and paled in the message he bore;
After you went the fondest, the truest,
Flowing that beckoning hand to the shore,
Into the river, the wide, dark river,
Whose waters they vanished forever.

In visions of grief have I wandered;
I have I told, though my ardor have flown,
In manhood, and life is but squandered
Remaining vague dream of the future alone,
From the tales of the mystical river,
Voices of spirit are whispering ever.

Lonely and old, in the dark I am waiting,
Till the dark Boatman, with soft, muffled oar,
Gleams over the waves, and I hear the keel grating,
See the dim, beckoning hand on the shore,
Waiting me over the welcoming river
To gardens and homes that are shining forever!

—Christopher P. Oranck in Atlantic Monthly for June.

FACT.

A woman wishes to realize the full power of
her mind, to be by charming noble hopes
by having something to do and some-
thing which is worthy of humanity, and
pursuing the capabilities of the soul, give
it symmetry to the body which contains it.

It is so constituted, that all see and judge
affairs of other men than in their own.

People that live without any design
through the world like straw on a
wind, but are carried.

Ring-machines made annually in
three companies make more than
\$1,000,000 profit is realized on them.

On any man the least good. No
supper, or what for it. It commands
it is disgusting to the refined, and
good.

Relaxing in addition to your stock of useful knowl-
edge by reading and meditation.

And then, you preach only the thoughts of
the immediate reading you will gain

THAT BLACK SILK DRESS.

One of the best pieces of economy in my whole
life, was the purchase of a black silk dress; not
one of your cheap, common things, but a nice
black silk. How did I come to buy it?

Well, I bought it; and that is about as good a
reason as I am able to give.

And to pay for it, for, of course, I had no cred-
it I was obliged to go to my trunk and take out of
it the very last dollar, and give it to the man who
brought it round a few hours afterwards, O. O. D.

Frightened is no name for the perturbation of
my mind, as the cart drove off and I stood hold-
ing my handsome silk. A silk dress in my hand
—not a dollar in my purse.

I comprehended the situation, and was terror-
stricken.

So I ran up stairs; locked the door to keep out
that meddlesome old Miss Triggs who lived in the
hall-room next to me, and flung myself on the
bed.

As for the silk, I hated it, but having, never-
theless, a profound respect for it, I placed it care-
fully on the bureau, while I gave vent to the an-
guish of my spirit.

As to the week's board, there was no trouble
there, for although Jack's salary was small, he
was regular in paying that; but then there was a
wash-bill coming in which I had agreed to settle,
and other things. I had the list made out—things
which were absolutely necessary, at least I thought
them to be so:

New boots,	Handkerchiefs,
New slippers,	Cuffs,
A new bonnet,	Collars,
New gloves,	Neckties,
New morning dress,	Hose,

A new black Mohair.

Jack had looked over the list with me, and see-
ing that no one costly article was there, he con-
cluded with me that I was economical, and had
given me the money to buy them, for, as I had
said to myself repeatedly, "I cannot afford to
have any one handsome thing, so I will have an
abundant supply of plainer things."

But now my money was all gone.

So all I could do was to cry softly, lest Miss
Triggs, who I knew was listening, should hear me,
and, in consequence, my tears dried up so much
the sooner.

By this time it was late in the afternoon, and
dinner coming on, and fearing lest my dear hus-
band would discover that something had gone
wrong, and perhaps, finding out the truth, would
scold me severely (for we had been married more
than a year), I washed my face, prepared to right-
en the room and dress.

There lay the hated cause of all my distress:
But as much as I hated it, I thought to myself
that I would take just one look before hiding it
away. So, undoing the brown cover, I did look,
and looking was tempted to feel the texture, and
having done that, to unroll it a little way and
gather it up, in make-believe folds as the clerks do.

Certainly, it was a very nice silk, and further-
more, it would wear well. The polite clerk had
assured me of that fact, and I had always under-
stood that the clerks of that establishment did
not dare to mislead confiding customers.

And there was no doubt, whatever, that the
two silks I had had when I was married, were
now becoming shabby, and that it was time to
have a new one.

So with something like an affection for my in-
judicious purchase, I hid it away, concluded to
put a good face on matters as the only means of
avoiding discovery, and set myself in earnest to
the task of preparing in the best possible manner
to receive my darling Jack, by whom I was so ap-
prehensive of being scolded, should he discover
the truth.

In consequence, on the entrance of the worthy
three-quarters of an hour later, I was seated ap-
parently all mild composure in the little blue rock-
ing-chair, with its mate, the red rocking-chair
close beside me.

In order to erase all traces of my tears, I had
dressed myself with particular care, so I doubt
not looked well, at least in his eyes.

"I fixed this chair close beside me, all ready
or you, my dear," I said, affectionately.

"Did you, my darling? That I might admire
the fresh roses on your cheeks. Your eyes are
bright, and you look so pretty. I am more in
love with you than ever," was the answer.

"How easily men are fooled," I thought, but I
said:

"My darling Jack."

And he said:

"My darling little wife, I do love you so," and
he kissed me.

"All very fine!" I thought, but it would be
as much as my life was worth to tell him about
the silk dress.

"The fact is," he continued, "I came in cross-
ed as you know I sometimes am, but you looked so
sweet, that you smoothed me right down. Things
have gone nicely with you to-day, I am sure, so
suppose we go to the theatre to-night, it will be
only a couple of dollars."

"A couple of dollars!" thought I, "I will try
and get hold of that for myself."

So I said:

"Suppose you give me the two dollars, and I
will read a story to you this evening instead."

Read a story instead! Why this is the first time
I ever knew you to decline an invitation to the
theatre. I can guess the reason: you have not
ordered your new bonnet, and you will not go un-
till you do. I see through you, you little mix-
er. So order your bonnet this week, and we will go
the next."

"Order my bonnet," thought I in affright. "Ah,
if he did but know I had spent the money!"

But I said:

"Yes," and my dear Jack in the belief that he
had divined my inmost thoughts was satisfied.

"Here," said he, fumbling in his pocket, "here
you Jew, take your two dollars and read me the
story after dinner."

For, just then, the bell rang. Down we went,
and the evening passed off successfully.

But while Jack slept tranquilly, I was awake,
my brain devising a hundred different schemes,
Here were two dollars, but how was that to buy
all the list of articles I absolutely needed?

My mind recoiled from the effort of attempting
to grasp the whole subject, so in very weakness I
was driven to take the thing at a time; and this
one thing now, was the bonnet. Jack had said,
"Order your bonnet this week," and on Sunday
he would expect me to wear it. Four days, yet,
ere Sunday came. A smart woman can do a great
deal in four days. It was a relief. I would
make the most of it, and then there was a bundle
of two dollars. Very little, to be sure, but better
than nothing.

"Mrs. Nichols makes her own bonnets. I wish
I were Mrs. Nichols," I thought. And again I
gave way to a train of sorrowful reflections, ming-
led with notheasms of the black silk.

"Couldn't you be like Mrs. Nichols?" I whis-
pered an inspiration.

"Oh, never, never, I wish I could," and, in
despair, I would have begun to cry again, but for
ear of waking my slumbering spouse, so I tried
with thinking I fell asleep.

Jack had gone off to his business, when I awoke
the next morning, disturbed by Gretchen, the Ger-
man girl, who, as I had not come down to break-
fast, had brought me up a tray.

A cup of good coffee is inspiring, so I eagerly
drank one, which I hoped would cause me to take
a better view of things. And, then without stop-
ping to eat my breakfast, I put on a dressing-
gown, and set to work to look up all the bonnet
materials I had, feathers, flowers, and last sea-
son's bonnet, which was stowed away.

I looked them all over—many were none the
worse for wear, but how should I ever put them
together? How I wished I were Mrs. Nichols, but

After much thought, I determined to go out and
see the styles, and in a vague and despondent
mood emerged on Broadway, where, indeed, there
was no lack of bonnets to be seen: high, low,
broad, narrow, anything and everything; so may-
be, I might hit on something.

"Where shall I begin?" I asked myself.

"With the frame: that is the foundation—the

proper beginning; was my answer to myself.

After much attentive observation, I concluded
that last year's bonnet-frames would answer. Then
rose the question of materials. How about last
year's velvet? Would it not answer again? And
the lace, brushed and put on differently.

"Well, I would try."

So I went home and devoted the afternoon to
trying, and concluded that velvet and lace were
both good, and might be used once more.

The next day I walked out again; returned
home more courageous, and concluded, that by
skillful management the thing might be done. The
only article which it would be absolutely neces-
sary to buy, being a flower, which must be chosen
with great discrimination; but could I ever do it?

If Mrs. Nichols were only in town, I would go
to her, tell her the whole story, and beg her to
make a bonnet for me. But she was not in town,
and meanwhile something must be done, for but
two days more of the week remained, and on
Sunday I must appear in a new bonnet, or run
the risk of a discovery.

On Friday morning, bright and early, I sat down
with everything in the way of bonnet material
around me that I could master, and began my
task.

And a dreadful one it was. Nothing went right
nothing would go right, and I began once more
to despair.

But toward afternoon, matters went better. I
had the frame all nicely covered. The ribbon be-
gan to take the proper twist. Through the dark-
ness which surrounded me, I saw some trace of
daylight, and by the next morning, so far had I
progressed that I ventured out to purchase the
flower.

For, had I not two dollars?

And I bought it; put it on, and my new bonnet
was finished.

All this time, knowing I stood on slippery
ground I had been very particular to please my
better half, and so well had I succeeded, that by
Saturday night he was in the best humor possible,
and disposed to take a favorable view of every-
thing.

(Concluded next week.)

AN IMPROVED COOKING UTENSIL.

An ingenious little culinary implement was lately
shown in Paris at the Exposition of Gastronomic Pro-
ducts—a novel gridiron and baking oven all in one. It
consists of an oblong quadrangular sheet-iron box, open
at the top and at one end, and standing on four feet. The
top has a nothing of iron wire stretched over it, and on
this glowing charcoal is placed. A gridiron slides in at
the open end under the fire. The juices and melted fats
of the meat, poultry, fish, etc., drop into a pan beneath
the gridiron, and these disagreeable odors of burning
grease are given out. No smoke sift through the wire
network on the meat below, unless the fire is stirred.
When it becomes necessary to meddle with the fire, the
gridiron is to be removed for a moment and then re-
placed. The heat of the fire may at the same time
be employed for the purpose of boiling water in a pot or
kettle, set upon some sort of stand over the fire.

GLASS FRONT CANS.

We all very much prefer our fruit in glass cans. We
can see it before it is opened. The flavor is better. Most
fruits are more or less injured in tin fruit cans. The
great objection to the use of glass in fruit cans lies in its
expense, mostly, of course, in the first cost; for glass
bottles are transported without great loss for various
other purposes. Could not something be done towards
lessening the expense by allowing a fair equivalent on
cans returned? We believe that the fruit factories,
especially those in and near the large cities, which will
make such an arrangement, will profit by it largely. The
details we leave to them, but we earnestly invite their
attention to the "situation."

FOR DROWSY EYES.

Two ounces red annatto, quarter pound white
soap, half ounce camphor, dissolved in a tea-
spoonful spirits, made into a paste. Place this
mixture in the openings and cracks of the bedstead.

ADVICE TO YOUNG LADIES.

(Under this interesting and suggestive title, a respect-
able and influential religious paper, published in an ac-
cident and useful to city gives some wholesome truth,
stated in terms more terse, perhaps than courteous,
which we copy, indorsing the sentiments most heartily.
We beg to say to the girls, in a whisper, ten thousand
good young men are waiting to find just such girls as
you are, who have plainer and less expensive habits
and whom, as wives, they might hope to be able to sup-
port. "A word to the wise is sufficient." Ed. Romance
or Health.)

First, you are perfect idiots to go on in this way.
Your bodies are the most beautiful of God's creation.
To the Continental galleries I always saw groups of peo-
ple gathered about the pictures of women. It was no
passion; the gazers were just as likely to be women
as men; it was because of the wonderful beauty of a
woman's body.

Now, stand with me at my office window, and see a
lady pass. There goes one! Now, isn't that a pretty-
looking object? A big bump, three big lumps, a will-
derness of stripes and frills, a shuffling up of the dress
here and there, an enormous, hideous mass of hair or
bark piled on the top of her head, surmounted by a lit-
tle hat, ornamented by bits of lace, birds' tails, etc. The
shop-windows tell you all day long of the padding,
whale bones, and steel springs which occupy most of the
space within the outside rig.

In the name of all the simple, sweet sentiments which
cluster about a home, I would ask, how is a man to fall
in love with such a piece of compound double-twisted,
touch-me-not artificiality as you see in that wriggling
outlet?

Secondly, with the wasp-waist squeezing your lungs,
stomach, liver, and other vital organs into one-half
their natural size, how can any man of sense, who knows
that life is made up of use, of sense, of service, of work,
take to such a partner. He must be desperate, indeed,
to unite himself for life to such a fettered, half-breath-
ing ornament.

Thirdly, your bad dress and lack of exercise lead to
bad health, and men wisely fear that instead of a help-
mate, they would get an invalid to take care of. This
bad health in you, just as in men, makes the mind as
powerless as the body faddled and effeminate. You have no
will and use big adjectives, such as "splendid," "no-
magnificent! I know you giggle freely," "awful," but then
this does not deceive us; we can see through it all. You
are superficial, affected, silly; you have none of that
womanly strength and warmth which are so assuring
and attractive to men. Why, you, become so childlike
and weak-minded that you refuse to wear decent names
even, and insist upon baby names. In ear of Helen
Margaret, and Elizabeth, you affect Nellie, Maggie and
Lizzie. When your brothers were babies, you called
them Bobby, Dickey and Johnny; but when they grow
up to manhood, no more of thatilly trash, if you please.
But I know a woman of twenty-five years, and she is
as big as both my grandmothers put together, who in-
sists upon being called Kitty, and her real name is Cath-
arine; and although her brain is big enough to conduct
affairs of State, she does nothing, but giggle, cover up
her face with her fan, and exclaim once in four minutes,
"Don't, now I am real mean!"

How can a man propose a life-partnership to such a
silly goose? My dear girls, you must, if you get hus-
bands, and decent ones, dress in plain, neat, becoming
garments, and talk like sensible, earnest sisters.

You say that the most sensible men are crazy after
these butterflies of fashion. I beg your pardon, it is
not so. Occasionally a man of brilliant success may
marry a silly, weak woman; but, as I have heard wo-
men say a hundred times, that the most sensible men
choose women without sense, is hardly absurd. Nine-
teen times in twenty sensible men choose sensible wo-
men. I grant you that, in company, they are likely to
chat and toy with the se over-dressed and forward crea-
tures, but they don't ask them to go to the altar with
them.

Fourthly, among young men in the matrimonial mar-
ket, only a small number are independently rich, and in
America such very rarely make good husbands. But
the number of those who are just beginning in life, who
are filled with a noble ambition, who have a future, is
very large. These are worth having. But such will
not, they dare not, ask you to join them while they see
you so idle, silly, and so gorgeously attired. Let them
see that you are industrious, economical, with habits
that secure your health and strength, that your life is
earnest and real, that you would be willing to begin at
the beginning in life with the man you would consent
to marry, then marriage will become the rule, and not,
as now, the exception.—Boston Courier Citizen.

HOW TO BORE HOLES IN GLASS.

Any hard steel tool will cut glass with great
facility when freely wet with camphor dissolved in
turpentine. A drill bow may be used, or even
the hand alone. A hole bored may be easily en-
larged by a round file. The ragged edges of glass
resists may also be easily smoothed thus with a
flat file. Flat window-glass can be readily sawed
with a watch-spring saw by aid of this solution. In
short, the most brittle glass can be wrought al-
most as easily as brass by the use of cutting tools
kept constantly moist with camphorized oil of tur-
pentine.

INTERESTING TO TOPERS.

The *Financial Reformer*, writing on this subject re-
marks that Dr. Hodges, of Belfast, has publicly stated
that a bottle of whiskey, described as a fair sample
of the liquor sold in low-class public-houses, was heav-
ily adulterated with naphtha, Cayenne pepper, and
vitriol; that another sample consisted almost entirely
of naphtha, with a slight coloring tinge of geraniol
whiskey; and that another charming compound was
composed of Cayenne pepper, vitriol, spirits of wine,
and blue-stone which could be produced at the rate of a
penny per gallon. A writer in the *Scientific Review*,
some three or four years ago, enumerated among the
multifarious ingredients for the adulteration of ale,
beer, and porter, cream of tartar, alum, green, vitriol,
copper, lead, pyretic acid, coeculus indicus, grains of
paradise, coloring matters of various descriptions,
guaiac, and other cheaper and more hurtful bitters;
sedum palustre, myrica gale, and datura stramonium;
besides liquorice, molasses, coriander, capsaicum, carra-
way-seeds, salt, borax, and, etc., etc. Hence, though
the honest products of barley, hops, and the rice may
have much to answer for, they are debited with a vast
amount of evil which is really occasioned by noxious,
and in some instances, murderous substitutes for them.
One of the multifarious recipes for fraudulent concoct-
ions, given in a book published for the guidance and
assistance of publicans and victuallers, winds up with
"A pinch or two of oxalic acid" does something or
other, we forget exactly what, but it is something in
the way of improvement!

COAR FOR RHEUMATISM.

Put a little black pepper in some cotton, dip in
sweet oil and insert in the ear. This is one of
the quickest remedies known.

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32-10

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TERMS

Miscellany.

NEXT CENTURY.

WHAT A MAN WOULD SEE IF HE WERE KNOCKED INTO THE MIDDLE OF IT.

Not that which Belver Lytton described with such realistic fascination and exquisite irony. We are too busy to waste breath upon impossible situations and persons who are coming and never arrive. It is the American man and woman of the next generation we are thinking of. Mr. Dr. Good, of this city, recently gave a thoughtful and scholarly lecture entitled "Glimpses at the Twentieth Century." It will be the blossom of which this century is the bud, if not the bulb. It will contain plenty of felicities and attractions, without doubt. But what sort of men and women will it have? Its schools, art, literature, music and social life may be grand; but we are more concerned in its persons than in its mechanical products or artistic triumphs. The question that concerns us most is not how people will travel and what they will eat and where they will live, but what kind of men and women will eat the dinner and wear the clothes and build the homes of the new century, and fill the century with their acts and aspirations, their sorrows and their joys.

The question is easier asked than answered. The progress of the race is no longer a speculation. It is an unquestionable fact. But the progress is not a steady ascent on straight lines. It is made in spite of temporary depressions and regressions. It is impossible to predict that the next plunge of the ship on the storm-tossed sea will not be into a deep trough, or across a current that shall sweep her out of her course. It is the next generation we are concerned in. And the next generation will be made by this. It is making to-day. In the streets, the schools, the universities of to-day, we see the material out of which the men and women of the future are being shaped. And, however excellent the material may be, it is impossible to conceal the fact that much of the shaping of it is faulty, if not bad.

There is little ground for the growth of our British representative. The world was not made for the exclusive use and enjoyment of grown-up people. Children have rights, and are entitled to consideration. They may properly claim a place and play-room in a world they are in from no fault of their own. We have no sympathy with these selfish, sensitive, fussy, fretty people, who are always scolding at Young America because it is in their way, and sometimes disturb their slumbers, and break their neuroticisms, and plant its heels upon their cranes, and makes their follies appear ridiculous by caricatures. But it is a serious question whether the physical care, the intellectual and moral training, the habits and aims we are giving the youth of to-day, are calculated to make a generation of strong, honorable and happy people. It is a serious question whether our forcing schools, fast ways and unlimited indulgence are calculated to create a race we shall take pride in or care to have write our epitaphs. Our manufacturers stamp their names upon their wares but we are not sure that the parents who are petting and pampering all the vigor and virtue out of their children to-day will care to have their names inscribed upon their handiwork in the men and women they are manufacturing for the future. The character of the coming race is not a question of mere idle speculation. It is the most intensely practical question we shall have to deal with. And whether that race shall be a curse or blessing to itself and country depends on what our people choose to make it.

—Nas Eura Graphic

A DESPICABLE MULE.

The negro and mule (writes a friend in Olliston Louisiana) are inseparable companions in the Southern cotton fields and, like the Hiawatha and bow, neither one without the other. The easy indifference and careless cruelty of the one, and wonderful powers of endurance of severe labor, bad treatment, and neglect of the other, complete the compatibility of the two races necessary for the production of four millions of bales. A characteristic anecdote may be related by those who have had experience of the two. The spectator had taken refuge from the sun's perpendicular rays, under the shade of a spreading beech, and lay reclining, and lay reclining, enjoying the still breeze and the shadow of the beech, and the country newspaper. Along the dusty road, which passed by this retreat came jogging a negro, mounted on a mule, both apparently fast asleep. As the somnolent pair approached the spot, some wicked spirit of the place gave the paper a fling, which was no sooner seen and heard than the mule, as mules only know how, instantly "swapped ends," and leaving the negro sprawling in the dirt, took his departure, under full sail. The negro, half-raising himself, and wiping the dust from eyes and mouth, watched the retreating mule for some time in silence, but at length, conclusions of an auditor, gave expression to this philosophic soliloquy:

"Dat's what makes me 'pile a mule!"—Editors Drawers, in Harper's Magazine for July.

OBACCO POISON.

A case of death, from the use of Tobacco, in my own intimate acquaintance, has this very week appealed a large circle of friends in this place. The victim was exactly of my own years, and a companion from early boyhood. For thirty years, at least he had been a daily smoker of the choicest cigars, but in all his other habits temperate and regular, and of an excellent constitution—one of those who all men would have laughed at the suggestion that tobacco was injuring him. A week ago last Sunday night he was stricken with the progressive paralysis, characteristic of nicotine, and on Sunday night he died. His death was most pitiful. First, sight was lost; then speech, then motion of the neck, then motion of the arms, and so on throughout the body, and he lay for a fortnight unable to move or make a sign, save a pitiful, tongueless, inarticulate sound, which sometimes rose to almost frantic effort, all in vain, to make known what he wished to say to his family or friends—for his conscious mind was not impaired, and he was fully unimpaired till within two hours of the last, to aggravate to the utmost the horror of his situation—a living soul in a dead body. The sense of hearing was left unimpaired, so that he was conscious of all around him, while as incapable of any relation with them as if dead, save by a slight sign, if sought or dissent to a question. The doctors were fully assured that tobacco was the cause of the stroke.

George White Beans. If you get belated in putting in early tilled crops, you do a good thing by putting the land in white beans, which is a profitable crop. Or you can plant on sod land turned over in June, which if well covered in by the plow and harrow will need very little care from the hoe during the season.

Old Asparagus. The Geneva Times says that on the farm of W. A. Hervey, of Harpersfield, Ashtabula county, there is an asparagus bed which was planted 70 years ago by Mr. Hervey's grandfather, and that the asparagus is as good as the old homestead.

THE PERIODICAL LITERATURE OF AMERICA.

Several weeks ago we called attention to the important and valuable work, which was now being done by E. Steiger, Esq., the well-known Bookkeeper and Publisher of New York, who has been preparing an immense Catalogue of American Literature, embracing all the works of American Authors and Publishers, and also all the Newspapers, Magazines, &c., published in the United States.

We find in the New York Democrat an extended notice of this enterprise which explains it so clearly, we give it entire.

In order that Mr. Steiger may have his work complete, every Publisher is requested to send full lists of all their Publications and Newspapers. Publishers should send sample copies of their Journals. Mr. Steiger's address is 22 & 24 Frankfort Street, New York.

We had occasion, but very lately, to refer to the fact that Mr. E. Steiger, the publisher and bookseller, was engaged in making a complete collection of American periodical publications for the forthcoming Vienna Exhibition.

As there are not less than some 70-80 such periodicals, the enormous as well as minute character of Mr. Steiger's enterprise is evident. He has undertaken it with the special object of showing the world that in her periodical literature, as in many other things, America stands at the head of the nations.

The value of this collection will be very materially enhanced by the fact that Mr. Steiger has in preparation a complete and accurate catalogue, in which every periodical is enumerated, and its nature, aim, and scope fully detailed in a synoptical index alphabetically arranged.

The great importance of American Journalism is thus made palpable. But still weightier is the consideration that to millions who cannot go to Vienna, and actually inspect the collection, this catalogue will be both an interesting and a valuable source of information.

This catalogue will be distributed over the whole world, and in view of this, the synoptical index will be translated into German, French, Italian, Spanish, Portuguese, Dutch, Hungarian, Greek, Russian, Polish, etc.

The pecuniary sacrifice which this will entail upon Mr. Steiger, can hardly be estimated at less than \$3000. The money value of the time expended in this undertaking cannot be appraised at all.

Nor does Mr. Steiger stop here. He has actually already begun to form a collection of the periodicals of every country in the world. This he intends to throw open to the inspection of the American public.

It would be a difficult matter rightly to estimate the extent, importance, difficulty, and cost of this last undertaking. What more immediately engages us is the reflection that the man whose ability and unflagging energy has, within the brief compass of seven years, created, from a very modest beginning with restricted means, a business employing under his immediate supervision some 120 persons (among them about 60 clerks), is now disposed to fold his arms. Mr. Steiger has, undoubtedly, the largest German publishing and bookselling business out of Germany, and still nothing but his possible ill-health can prevent the progressive development of his establishment.

We rejoice at the well-earned prominence of our fellow-citizen, and can only repeat here, with the most intimate conviction, the sentiment publicly expressed by Dr. Roeling, the German Consul General as much as four years ago, when referring to Mr. Steiger: "Such men we require to draw closer the bonds which unite us to Fatherland; to such men it is due that to-day the United States look upon Germany as an ally in its own necessities."

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Wholesale Produce Report.

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at the point of origin.

Compiled (Weekly) by EDITOR FARMER

SAN FRANCISCO, July 3, 1873.

Money and Exchange Table.

Exchange on England	109 1/2 @ 110 1/4
Price of Gold	113 1/2
Value of Greenbacks	85 1/2 @ 86 1/4
Value of Wheat in Liverpool	114 1/2 @ 115
do do New York	114 1/2 @ 115

Money is New York, Boston and the Eastern States much easier, interest less, times looking better.

Money at the Bank of England, and rates still at 6 per cent.

Money in San Francisco is now getting easier. At Bank 1 and 1 1/2 per cent—Large and long loans are 9 and 12 per cent, and more loaned: Gold leaving the State freely.

GRAIN AND FLOUR MARKET.

The Grain market may be said to be active, but it is more with the "old crop" (of which there is more on hand than was supposed, as we have all along said) rather than with the new crop, which is not marketed very freely.

The export of Wheat to the United Kingdom has been rather large this month, and Fifteen Ships now on the berth to load. Shipments will be somewhat retarded by reason of the adverse need prices of freight to Liverpool, which have now gone up to \$4. 1/2, and will undoubtedly reach \$5, for as the harvest gives so good a promise Shipowners will endeavor to secure the best rates.

The Commercial Herald reports last week "That about One Hundred vessels to arrive in July and August have been chartered at 24 and upwards." This is another proof of confidence in large crops and continued good markets in Europe.

The Wheat of this year will be found to be of an especial good quality, sound, clean, and full, being well matured during the long cool weather.

A new feature is the arrival of Wheat from Utah by Rail with more to come. Oregon will ship largely from her own ports direct to Europe.

The Flour market is materially changed in value from last report, our new city mills are not working much, but Oregon, Stockton, and Vallejo are sending us good supplies while some Flour is being shipped via Panama and other places, the trade generally dull and price lower.

The Barley crop will be large and the quality very fine. Oats will be good also, and a good crop, both these grains are still new and prices are shading down.

Corn plenty, little demand, Beans are in demand, Small Grains a row of sale.

Potatoes, Onions and other Root Crops are plenty at fair rates.

The Hay crop will be a very large one, and well got, Bran and Middlings and Old Cane Meal fair demand, but little variation in price.

Hides and Tallow remain about the same, and the Leather market quiet, with few large sales.

Our new Products will be very large this year, and add a goodly sum to our exports.

WHOLESALE GRAIN REPORT.

Wheat California, 100 lbs. Cont.	105 1/2 @ 110 1/4
do do do do do do do do do	110 1/2 @ 115 1/4
Barley, 100 lbs. Cont.	110 1/2 @ 115 1/4
do do do do do do do do do	115 1/2 @ 120 1/4
Oats, California, 100 lbs. Cont.	125 1/2 @ 130 1/4
do do do do do do do do do	130 1/2 @ 135 1/4
Flour, Superfine, 40 lbs. Cont.	4 1/2 @ 4 3/4
do do do do do do do do do	4 3/4 @ 4 1/2
Extra Family Flour, 40 lbs. Cont.	4 1/2 @ 4 3/4
do do do do do do do do do	4 3/4 @ 4 1/2
Oregon Superfine, 40 lbs. Cont.	4 1/2 @ 4 3/4
do do do do do do do do do	4 3/4 @ 4 1/2
Corn Meal, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Black Wheat, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Midlands, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Old Cane Meal, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Beans, 100 lbs. Cont.	3 1/2 @ 3 3/4
do do do do do do do do do	3 3/4 @ 3 1/2
Choice Potatoes, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Old Potatoes, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Carrots, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Onions, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Hay, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2
Straw, 100 lbs. Cont.	1 1/2 @ 1 3/4
do do do do do do do do do	1 3/4 @ 1 1/2

Retail Prices in the Fruit Market.

The Fruit market shows a greater abundance in all the varieties than was expected by the growers themselves, while the leading kinds are much lower than was possibly anticipated, the efforts to control the current crop failed, the fruit now being so plenty that Cannery men can purchase as low as 4 to 5 cents, the size and quality of this fruit being superior to former years.

Strawberries have been abundant, but now about closing out the crop to go way to their successors, Raspberries and Blackberries, which are in market in good supply at fair rates, a little higher than usual.

Cherries are very abundant and low, and families and canners are buying. Gooseberries have been larger and better this year than ever before.

Peaches are now coming forward of good quality but full price.

Pigs are coming to market in great quantities and selling low for so early. This fruit is now in better demand, and more used for meat than formerly.

Apples and Pears come now freely and in better quality also, while Watermelons (rather cold weather for them) show themselves in market.

Apples very plenty, large quantities are now used for canning.

Fresh Figs	12	0
Figs, dried, #	10	1
Strawberries	13	0
Gooseberries	10	0
Cherries	10	0
Haspberries	4	0
Plums	13	0
Cherries	13	0
Apricots	8	0
Peaches, # B	18	0
Apples, # B	0	0
Oranges, # B	0	0
Lemons, # doz	75	0
Limes, # doz	0	0
California Lemons, # doz	50	0
do Oranges, # doz	50	0
Fresh Apples, per truck	50	0
do do do do do	50	0
Black Grapes, # B	20	0
Cal. Walnuts, # B	18	0
do Almonds	20	0

CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XXXIX.

SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JULY 17, 1873.

NUMBER 19.

The California Farmer
AND
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EUROPEAN.

From our Special Correspondent.

PARIS, May 17, 1873.

NEW POTATO DISEASE.

Serious complaints are made relative to the extension of the new potato malady, whereby a tuber to all appearances sound, puts forth no healthy sprouts, but germs resembling long delicate threads, being sterile, such potatoes are called "Niles." Many fanciful accounts are published respecting the cause; the remedy however lies in obtaining seed tubers from a distant district, plant only such as possess healthy sprouts, and never to strip off the germs before planting. Others expose the seed to influence of the air and light for a fortnight before planting. A worse disease lies in the partly ripened tuber becoming soft, waxy, and unfit for human food. This infirmity is attributed to the seed potatoes sent from England as a donation after the termination of the war, and is most peculiar to precocious varieties.

PRIZES FOR STOCK BREEDERS.

M. de Béhague, one of the first stock breeders in France, has presented the Agricultural Society with 12,000 francs, the interest of which is to be allocated every second year to a prize for the best essay on the improvement in the fattening of stock, or to whoever shall have rendered the most signal service to breeders. He is a gentleman who has doubled an immense fortune acquired by agriculture alone. A visit to his farm at Dampierre would be well repaid. His object is to produce a race of sheep of a rapid growth, a precocious development, and fit for the market when eight or ten months old. The mutton from his farm is in request in Paris; it does not consist of meat, but of a tender and juicy flesh, possessing an exquisite flavor; not that kind of precocious mutton fitted rather for the melting pan than the table. He produces not only true meat, but good meat. His breed of sheep is a cross between a pure Southdown ram, and a *berghonne* ewe, and the best to be found; from the mother fecundity only is demanded, the male transmits the grand qualities of assimilation, and a scientifically arranged aliment, does the rest.

A NEW FERTILIZER.

Dr. Isaacel is becoming a rival to M. Georges Ville in doing crops with manures. The former has prepared a powder, containing the elements of nutrition—nitrogen, phosphorus, potash, sulphur, iron, &c. in a soluble state, a desert spoonful of this dissolved in a quart of water, makes room-plants flourish like a green bay-tree, and the flowers are developed—contrary to what might be expected similarly. The market gardeners have taken the hint, and use it for their staminal productions with great advantage. It is calculated that an acre of early potatoes yields in the vicinity of Paris, frs. 1,800; of cauliflower, as high as frs. 3,000, and of sorrel, in such request for soups, frs. 2,800. The cost of secure alone is estimated at frs. 500 per acre, the labor perhaps the same, and the rent frs. 100; artificial manures, mostly *poudrette* is applied at a cost of frs. 300 per acre.



ST. MATTHEW'S HALL, SAN MATEO.

AGRICULTURE IN BELGIUM.

Nothing specially salient in the agriculture of Belgium at this moment, except that the rent of land is running up very high, and the continuance of the immigration of farm laborers into the towns. Liege will hold in July next its Agricultural show, and among the new prizes are those to be awarded for plans of farm buildings. No progress has been made in applying the scheme of elementary agricultural instruction. Gratification is felt at the rigid measures taken by Austria to allow none but healthy stock to arrive at her monster cattle show. Piedmont has been discussing the best means to prevent farmers from being robbed.

THE GRAPE ENEMY.

The *phylloxera* continues to be actively looked after, its habits and transformations are constantly studied; it is spied when asleep, and watched when awake; just now the terrible bug having cast off his winter coat is considered to be especially vulnerable to poisonous powders. It is discussed whether it is better to attack the insect in its present stage, or when laden with eggs, or on the wing. Opinion is decidedly in favor of showing no quarter at any stage. No means of destruction have yet been discovered, save M. Faucon's plan of submergion.

To destroy cockchafers, smear the inside of an old tub with tar, turn it upside down, place a night-light within; the insect attracted by the light, will be found sticking together by thousands.

Eastern Correspondence.

LEAVES FROM MY JOURNAL.

BY M. A. CARLES.

NUMBER THIRTEEN.

Bloomington! Well may it be called so this June. We occupy a large old-fashioned house built by our dear departed father in 1853, on the east is the Central Park, in reality new, a Garden of Eden; on the west is the Grand Boulevard and the Riverside Parks are yet untouched, but possessing the never-fading attractions of the Hudson River. Our home is on a hill, with a garden on one side. At this time it is a sight which inspires me to utter in fervent gratitude, glory to God. We have so much to be thankful for in this beautiful world, but is there anything that we ought to be more grateful for than flowers? The roses are holding a festival, and our garden is brimful of them, they dazzle the eye, they intoxicate the senses, and they fill the air with a perfume which we inhale with delight. But our garden, rich as it is now in its display of floral wealth, is only one of many—wherever one turns in this neighborhood, the eye is ravished by the magnificence of the flowers, and the beholder in this blessed June realizes that this deserves to be called Bloomington.

It is true that we have lots of dust, for the march of improvement is rapidly destroying our hills, turning our lanes into streets and leveling our hills, that the contractor is driving away the gardener, that the old-fashioned mansions and houses are being replaced by palaces and brown stone houses, and that estates are being sold, and lots are now selling for as much as farms used to be worth, but yet there are

remains of the old suburbs and the roses seem determined this year to make us remember their glory when all traces shall vanish. I take my blue eyed Mabel and walk to the top of the hill near the old Brenard House where the dust cannot reach me where the noises cannot drown the musical voices of the birds, and where I can watch the miniature hands of my little one pluck the daisies that hide away from the carnival of the gardens in the rich verdure that hides the rocks. I can listen to her soft voice and while watching the breeze play with her golden hair, I can drink in the beauty which yet remains. Up on the hill I can only see the trees, the flowers and the grass, the blue forms of the distant palisades, and the glorious river, I am out of sight of the dirt carts, the wounds in the green meadows, and the bare rocks which show the marks of the blasting, all is pure and fresh and beautiful, and I can dream that I am in old Bloomington. The shocking profanity and cruelty of the drivers I can neither hear nor see, and the hours fly by like minutes until my "sunshine" commences her sleepy song, and then I pillow the drooping head on my breast and the little eyes are closed when I reach the street, and her ears only listen to the whispers of angels, for I see the smiles languishing on her lips, I carry her to watching mother, and sing softly—

"Praise the Lord, O my soul, and all that is within me, praise His holy name."

"Praise the Lord, O my soul, and forget not all His benefits."

"Who forgiveth all thy sins, and healeth all thine iniquities; Who saveth thy life from destruction, and crowns thee with mercy and loving kindness;

Who satisfieth thy mouth with good things, making thee young and lovely as an eagle."

TREATMENT OF OLD HORSES.

Perhaps the most inhuman treatment that an old animal receives falls to the lot of the horse. It has to travel on the road with the young and vigorous, draw one-half of the plow in the field all day beside the more than equal mate, and is allowed the same time to eat and rest. If there is a defective collar or bad fitting harness, it belongs to "Old Dick;" and when by over-task he is reduced to almost worthlessness, he is sold, perhaps, into the hands of some barbarian, because he is almost worthless; and, after dragging around a short time dies an "old scrub" at the age of twelve years. A horse should not be old until he is twenty; and we have known many very vigorous several years in advance of that; and the secret of their longevity was not in the peculiar vitality, but a genuine homogeneity in the owner.

It does not injure a horse to labor, any more than it does a man; and it is only by over-exertion, exposure, and ill treatment, that it is jaded at the time when it should be in its prime. When men learn to exercise humanity towards animals for the right of it, which should be a sufficient incentive, they will find a second compensation in the way of absolute money profit.—Exchange.

A laughable incident took place in the parlor of the Union Hotel, at Saratoga, a day or two ago. Two countrymen were gazing around the room, when a lady appeared wearing a fashionable trail. One of the party doctored it, but the other walked straight across it, and finding out his error apologized with—"I beg your pardon madam; I thought you had passed some time ago."

REPORTS OF CALIFORNIA.

We give from the Reports of the Department of Agriculture at Washington what they say of California in their May and June number.

ON GRAIN.

CALIFORNIA.—Alameda: Grain injured by frost, and drought, there being no rain since February; thousands of the best acres of wheat will not pay for harvesting. Contra Costa: Superior on heavy, well-cultivated soil, but on sandy and late-sown fields only a half-crop will be raised. Stanislaus: Crop but one-third of an average. Mendocino: Late sown grain still looks well, but will soon show the effects of a drought. Placer: Wheat-crop threatened by drought.

ON FRUIT.

CALIFORNIA.—Alameda: Fruit injured by drought and frost. Lake: Peaches nearly all killed by frost; apples half killed. Sonoma: A very heavy and unusual frost visited the entire fruit region of the State just as the fruit was forming and the grapes in bloom, causing immense losses; Sonoma County, however, loses but a small percentage; peaches and grapes suffered most. Butte: Late frosts killed much fruit. Mendocino: Heavy frosts have ruined a fine fruit prospect; varieties in bloom were destroyed; apples badly injured. Nevada: Army worm badly injuring fruit, especially grape vines. Placer: Late frosts cut down our fruit one-half. Napa: Grape crop injured severely by the frosts of April 3 and 4; crop of the old vines 40 per cent. below last year.

We copy the above two items from the Reports from Washington, to say they are as our people will see, seriously and ridiculously erroneous, and the best relation we need give is the fact of our Great Crops of Grain this year equal to last year, and the great abundance of Fruit that now actually glut our markets, as will be seen by the prices we give of Ten Thousand Baskets of Peaches in our market in two days.

THE OVERSTOCK OF PEACHES.

Last week in two days over 10,000 boxes and baskets of Peaches came crowding into our market the larger portion came from Solano county, 6000 or 7000 baskets, comprising three schooner loads, 1500 Baskets on Broadway wharf, the steamer Reform bringing a large freight.

We have always advocated the culture of good Fruit, as the kind that pays. Now let us see the results of the sales at this present overstock, and we give the prices as follows, per basket:

Crawford's sold from (basket) \$1.50 to \$2.50
Hale's Early, 75 to 1.00
Tillotson's, 25 to 37

These last growing on trees crowded with fruit, overborne, were small and only sold with difficulty; and principally to Preserving Houses, and hard work to crowd them off—the result of thousands of baskets being barely enough to pay the freight wharfage, drayage and commissions leaving the grower—the privilege of picking and sending to market—far better for the grower to turn a drove of swine into the orchard to eat on Peaches.

GRAIN AND TOWN REPORTS.

We have received the "Township Reports" prepared by L. Friedlander Esq., giving a full list of every Vessel Loaded with grain, where Shipped Cargo, price of freight &c., from June 30th 1872 to June 30th, 1873, a very important Report which we duly value.

WALTER BROWN & SON'S WOOL CIRCULAR

New York, July, 1st, 1873.

The Wool market during the past thirty days has been free from any excitement whatever; the stock of Pieces going gradually into consumption, as the requirements of manufacturers necessitated small purchases, to bridge over until the arrival of the New Clip.

The backwardness of the season throughout the entire country has been the occasion of considerable delay in getting Wools ready for market, and we have consequently experienced a dearth of Domestic Wools, quite equal to the scarcity which existed two years. Holders, however, have avoided any speculative movement, preferring to close up last year's accounts before a new season begins, and the balance of old Wool at the seaboard has been taken at ruling quotations, without demur on the part of either buyer or seller.

Advices from the interior report the shearing about over, and we are glad to learn that the Wools are generally in much better condition than last year. As yet, the growers are not generally ready to accept the low ideas of buyers, and we fear the latter, led astray by the present scarcity of Fleeces in the East, which cannot be of long duration, will not keep clear of the excitement, which is so apt to prevail at the opening of a Wool season. In fact, we hear of purchases already made in Ohio, at prices above what the prospect of the trade will justify.

There is considerable of last year's California Wool still unsold, which with the new Spring Clip coming in, and the Foreign Wools now offering and to arrive, will act as a check on any speculative tendency in prices of Domestic Fleeces.

In the Dry Goods Trade there is perhaps a better feeling on fine Woolsens, which are taken with more confidence by Jobbers and Clothiers, at figures which are apparently remunerative to the manufacturer. This would argue a more settled demand for the corresponding grade of Fleeces during the next few months, with a probable stability in values. On the other hand, low and medium goods are very dull and slow of sale, hence the same grades of Wool are almost entirely neglected, with little prospect of improvement as the season advances.

Judging from all the features likely to affect the future market for Wool, we see no probability of an advance in values, which will exceed the shrinkage in weight and cost of carrying Wools; and we are convinced that operators will consult their own interests, in shipping their Wools promptly, with instructions to effect quick sales.

Receipts of Domestic Wools during the month were: 6,175 bales and bags. Texas, 595 bales; New Orleans, 456 bales; other Southern Ports, 86 bales. Total, 1,140 bales and bags.

The Imports as reported are: Liverpool, 176 bales; London, 50 bales; Montevideo, 2,032 bales; Rio Grande, 69 bales; Caracas, 28 bales; Buenos Ayres, 198 bales; Auckland, 378 bales Total, 2,929 bales.

TUB-WASHED WOOL.

Choice..... 50 @ 53
Fair..... 46 @ 49
Inferior and Burry..... 40 @ 45

PULLED WOOL.

New York City extra Palled..... 40 @ 45
New York City super Palled..... 40 @ 45
New York City No. 1 Palled..... 35 @ 40
Western super and extra..... 38 @ 41
Country extra Palled..... 43 @ 47
Country super Palled..... 43 @ 47
Country No. 1 Palled..... 38 @ 42
Canada Palled..... — @ —

CALIFORNIA

Spring Clip, fine..... 28 @ 34
Spring Clip, medium..... 26 @ 31
Spring Clip, low grades and burry..... 21 @ 25
Fall Clip, A..... 30 @ 34
Fall Clip low grades and burry..... 17 @ 20
Extra Palled..... — @ —
Super Palled..... — @ —
Low Palled..... — @ —

STORMS OUT WEST.

The severe Thunder Storms out West from New York and east of California, are truly unprecedented in the history of our country.

We are of opinion that the cold, chilly, and cloudy weather, and our backward Spring, has in some measure been the result of these remarkable storms—will not Dr. Logan, or Mr. Tenet explain the cause of our present spell of weather. An Exchange, in the region of the Iowa Thunder Storms, says:

"One peculiarity of the late electric storms in Southern Iowa was that the electric current ascended from the earth as well as descended to it. On several occasions, bright flashes of flame, and even balls of fire, shot suddenly upward from the earth to greet the hovering clouds."

A few of these balls of fire around San Francisco might warm us up a little.



Agriculture.

NO MORTGAGE ON THE FARM.

Mary, let's kill the faded calf and celebrate the day,
For the last dreadful mortgage on the farm is wiped away;
I've got the papers with me, they are right as right can be—
Let us laugh and sing together, for the dear old farm is free!

Don't all the Yankees celebrate the Fourth day of July,
Because 'twas when that Freedom's sun lit up our nation's sky;
Why should not we then celebrate, and this day never forget!
Where is there any freedom like being out of debt?

Five rise up many morials an hour before the sun,
And night has overtaken me before my task was done.
When weary with my labor, 'twas this thought saved my arm,
Each day of toil will help to pay the mortgage on the farm.

And, Mary, you have done your part in rowing to the shore,
By taking eggs and butter to the little village store.
You did not spend the money in dressing up for show,
But sang from morn till evening to your faded calico.

And Bessie, our sweet daughter—God bless her heart!
The lad that got her for a wife must be by nature smart—
She's gone without plans, her lonely hours to charm,
To have a hand at paying the mortgage on the farm.

I'll build a little cottage soon, to make your heart rejoice;
I'll buy a good piano to go with Bessie's voice;
You shall not make your father with that up and down concern
For I'll go this very day and buy the finest churn!

May by that faded calico, and go with me to town,
And get yourself and Bessie a new and shining gown.
For prices for our produce need not give us now alarm,
Spruce up a little, Mary! there's no mortgage on the farm.

While our hearts are now so joyful, let us, Mary, not forget
To thank the God of Heaven for bringing us out of debt,
For bough the rain and sunshine, and put strength into my arm,
And lengthened out our days to see no mortgage on the farm.

—John L. Yates in Farmer's Journal

THE SCIENCE OF BREEDING.

The science of breeding, as applied to animals and the feathered creation, though comparatively in its infancy, is already developing truly wonderful results. The study is most fascinating, and, as we pursue it, the mind becomes impressed with wonder at the astonishing progress it has attained. The ultimate result of the breeder's ambition, hitherto, was to breed up to a certain ideal of excellence, selecting for that standard the finest attainable varieties. When this point was reached it was thought that a great achievement had been accomplished, but there are no bounds to human wisdom, when the necessity for its exercise exists. Within a few short years it has been made manifest that the original types could be improved by a system of judicious crossing with different varieties of the same genus, assisted, in some measure, by a happy concurrence of climatic and dietetic influences.

During the dark ages the utterance of the fact that any original type of nature could be perfected by man would have been dignified as the deepest blasphemy, and the culprit made to undergo all the agonies of inquisitorial torture, as did Galileo the martyr of astro-nomical science, for daring to assert that the earth moved on its axis. Thanks to the march of intellect the terrors of ignorance and bigotry are fast being dissipated, and nothing is considered beyond the grasp of the human understanding. It is not claimed, however, that, assisted by science, new types may be created; but that it is essentially the province of art to assist nature, to improve the material she has given, to select the best, to improve the inferior to the domesticated descendant in size, symmetry of form, speed and endurance. The Cashmere and Angora goats of Asia cannot compare with the improved types now to be found on the foot hills and ranches of the Pacific Slope, the difference in the quantity and quality of its fleece being largely in favor of its American type.

The Merino, Cotswold, Southdown, and other European varieties of sheep have also been improved upon, and acknowledge to be in many respects far in advance of the original types. The same may be said of the bovine families. By comparing the results of past experience and accepting them as a guide, much has lately been attained in the way of improvement. By studying carefully the union of certain qualities peculiar to different members of a family, and the results to be obtained through crossing with different families, this improvement is gradually enhanced until the desired point is attained.

It is gratifying to note the systematic efforts now in progress in various parts of the country for the improvement of cattle. Of the milking varieties, the Alderney, Short Horn, or Durham, Holstein and Ayrshire are each favored in particular sections. Of late much attention has been given to crossing the Short Horn with other varieties. The greatest success, perhaps, so far achieved has been attained by a cross of the Short Horn and the Ayrshire. Mr. B. D. Hungerford, President of Hungerford's Bank, at Adams, Jefferson County, in this State, is the owner of a milch cow which is the result of such a cross. It is twelve years old, large and symmetrically built, and weighs 1,100 pounds. Of its milking powers, Mr. Calvin Crowell writes: "For the benefit of those interested in fine stock, I append the result of four days milking ending June 13, 1893:

	P. A. M.	10 A. M.	5 P. M.	Total
June 10.....	33	31½	37½	99
June 11.....	33½	31½	34	100½
June 12.....	29½	34½	33	100
June 13.....	33	34	34½	100½
Total.....	130	131	139	400

Estimating the specific gravity of the milk at ten pounds to the gallon, we have a net product of forty gallons in four days, an average of just ten gallons, or forty quarts a day.

The largest yield in one day being June 13, of 101 1-2 pounds. Mr. Hungerford is willing at any time to have the milk tried by a lactometer, and offers for a cow that can compete with the milking qualities of the one now owned by him, one thousand dollars.

The above may be relied upon as a true statement. In breeding, the miracles wrought by a Colling and a Bakewell are now of everyday occurrence, and our motto should be, "Excellence" for the ultimate result of improvement has not been reached.

—The Turf, Field and Farm.

A FRIENDLY TALK ABOUT AGRICULTURAL COLLEGES.

Mr. Editor:—Some time ago I wrote a short article on "The Intelligent Farmer," in which I gently and good naturedly alluded to "Agricultural Colleges," having no reference to any particular college, east or west. It seems, however, that this random shot called forth a reply from a professor in the Iowa College.

As I had no purpose of persecuting any one, much less having our *Farmer's Journal* "prosecuted," I thought it was best to allow all parties time to cool off before alluding to any thing of the kind again. Now gentlemen, don't allow me to take your breath away, if I discuss one point in the professor's reply.

After some very candid admissions, the professor went off on a tangent, claiming that the College might not aim to teach *Farming* so much as to teach the *Farmer*. This then is the point to be discussed. If these farmers are more ignorant than all men, so that Colleges are needed all over the land, especially to teach farmers how does this happen? Farmer's boys are in all the common schools, academies, colleges, law and medical schools, and theological seminaries, over the whole land. Farmers themselves are in the State Legislatures all over the country, are in Congress, at the head of Executive Departments, are authors, historians, poets, mathematicians and inventors, and I am yet to learn, that large facilities have not existed to teach farmers, side by side with any other boys. The inquiry, then returns, is the legitimate scope of the Agricultural College to teach Farmer boys and not teach *Farming*? Any one who has studied this subject, must know that literary and scientific men, placed at the head of these Colleges, would naturally forecast a system of teaching with which they were familiar. This system would be entrenched in abstract science, requiring three or more years of study. As to all practical purposes, these boys might as well attend any other College, as the so called Agricultural College.

But this thing of teaching farmers and not farming, I claim, is behind the times. You might as well claim to teach medical students, and not teach medicine, in a medical institution; or teach theological students and not teach theology, in a theological seminary; or teach lawyers, and not teach law in a law school. What is a medical school for, if not to teach the theory and practice of medicine? And how would a young lawyer appear, who had not studied the specialty of his profession? Moreover, the idea of teaching farmers and not farming, betrays uneasiness with farming and tends to depreciate the importance of elevating farming as a specialty, and infusing into its methods all the advantages of applied science. But here is where the shoe pinches. The fact is, many literary people set themselves up to teach farmers while they themselves know little or nothing about farming. They are college bred, but have never studied farming; therefore they can not teach farming. What is to be done? One of two things must be done; our Agricultural Colleges must either teach farming as a specialty—teach it in the light of modern science—or farming must remain in *status quo*, so far at least, as these Colleges are concerned. But our professors may say, that they are not prepared to teach farming as a science. Quite likely. Perhaps the man is not born that is qualified to do it. Just where science and practical farming meet, may be where the rain bow meets the earth, or it may be where miracles are still performed.

I do not mean by this, that there is no science about farming, nor do I mean that no science has been applied to farming. But I mean, that the professor has not come who has demonstrated his ability to teach farming as a science. This is not saying anything against any College nor any professor, but it is speaking about a matter of fact. It seems to me, that the first thing to be done by these Colleges is to rise upon their oars, and teach farmers by teaching farming. Teach what little they know about farming. By applying their powerful intellects to this one specialty, they will come into possession of new truths and scientific farming will be evolved in some future generation. If this suggestion is worth anything, the Colleges are welcome to it. Acting on this idea, text books must be remodeled. What amatter is done let it be done in dead languages and abstract science. Let the "hoc opus" of the real labor, come in teaching farming. It is no disgrace to a professor to be elected to a chair in an Agricultural College. But let him not sit on his tripod, teaching Greek and Roman Literature—and discard farming the very specialty he is expected to teach and uplift into a higher plane, by applying modern science to the thousand and one operations of the farm. *Farmer's Journal*.

CALIFLOWERS IN THE SOUTH.—Mr. N. Vandenberg, of Vicksburg, Miss., with other seeds obtained of us a paper of Briftor Earliest Dwarf Cauliflower. His success with this delicious vegetable has caused a great deal of excitement in the neighborhood. The *Vicksburg Herald* of May 15th, thus speaks of the matter: "We were yesterday shown by Mr. N. Vandenberg, a Cauliflower, raised on his place, inside the city limits, which is a long way ahead of anything we have ever seen. The plant is about three feet in circumference, and weighs six and a half pounds. Mr. Vandenberg thinks that this single vegetable would command as much as five dollars in market. He has a fine garden, and is reaping a rich return for his labor. Mr. Vandenberg is not one of those men who mortgage their lands and deprive themselves of the comforts of life in order that they may indulge their propensity for raising cotton, to the exclusion of everything else. The cauliflower is on exhibition at Dr. Gray's drug store."

GEN. GRANT ON CRUELTY TO ANIMALS.

In 1864, at City Point, Va., the General of the Army strolled along the wharf, smoking his cigar. One day, seeing a big, raw-boned teamster belaboring one of his wheel mules with a billet of wood, and cursing him roundly, he quietly said, "My man, stop beating that mule." "Awmy, looking around at the little unostentatious-looking person in a plain blouse," "Say, be you driving these here mules, or be it?" and, crack, again went the cudgel, the mule dodging, and jumping the tongue. "Well," said the general, "I think I have sufficient authority here to stop your cruelty to that animal!" and, turning to the officer in charge of the train, he ordered him to have the teamster "fied up," for twenty-four hours, when he returned to camp, and report the fact to his headquarters when done. The news spread rapidly from camp to camp, and there was much less mule-mauling after that.

The labor of the body relieves us from the mind; and this it is which forms the happiness of the poor.

A CALIFORNIA RANCH.

Dr. Glenn, of Colusa county, owns a ranch which contains nearly 45,000 acres. It embraces a frontage of eighteen miles on the Sacramento river and extends back about five miles. It is enclosed and divided by one hundred by one hundred and forty miles of fencing. One tenant—G. W. Hoag—rents and cultivates about 10,000 acres of the land, and the Garton Brothers cultivate an equal portion. Some 15,000 acres are rented out to a number of farmers who work on a smaller scale. At the present time farming operations are going on on this ranch at a lively rate, as the work of harvesting is progressing rapidly. Hoag is engaged in cutting seven thousand acres of wheat and barley. The crop will this year yield about twenty bushels per acre of wheat. In favorable seasons the yield has been about thirty-five bushels. The total crop will amount to nearly 180,000 bushels. He is threshing his grain with one of Case's 48-inch cylinder threshing machine, which is run by a twenty-horse power steam engine. To supply this machine requires six large-sized headers and eighteen header-wagons, all of which require the labor of one hundred and ten horses and fifty men. The machine has threshed five sacks of barley a minute, at which rate it has run for an hour and a half in succession. It has also threshed forty two sacks of wheat in seven minutes. It will require about six weeks to thresh the entire crop. These are the operations of Hoag alone. Garton Brothers have an equally large crop, and are driving business on about the same style. The smaller tenants are equally well employed.

We clip from the *Sacramento Union*, of June 31st, the above great work done by one of the 48-cylinders advertised by Messrs. Fish Bros & Hagglins of Sacramento, who are selling these famous machines.

FARMERS' CLUB SOAP BOOK.

A very Valuable Book and one that could not be secured in any other way, and one that would be of very great value could be prepared by making selection's from the *Agricultural* newspapers of the old States and beginning with the early history of Agriculture in California, say *Twenty years back*, selecting all Valuable Experiments in the Eastern States and adding others from this State.

With such a collection of the best items a Book of a Thousand pages could be prepared, which as a book of reference and for general reading would be one of the most Valuable books that could be placed in a "Farmers' Club Library."

STOCK POISONED WITH BUCKEYE.

After much troublesome experience with stock poisoned from eating the shrub called Buckeye (*Esculus* *glabris*), I think we have found a reliable remedy, if used in time. That is, a good feed of cotton seed; and in bad cases it must be given a number of days.

The symptoms of this poison are easily known; and the effects appear to be a derangement of the nervous system, by which the animal fails to have the voluntary control of the muscles. The motions in walking are irregular, uncertain and spasmodic; and it is difficult for the animal to move forward, or to any certain object; and in bad cases is unable to walk, and falls. In a few hours the severer symptoms, or spasms, so far pass off that the animal rises and feeds, when, after a time, they return, and in a few days, if no remedy is used, death occurs from entire prostration.

Now, if cotton seed be fed freely, in the early stages, and continued a number of days, a cure is effected. The antidote is probably in the oil contained in the seed. But, where the animal is past eating, a drachm of a half pint to a pint of whiskey, diluted with water, is often effectual to relieve. Salt is also good and necessary, and should be given daily to stock eating Buckeye and other poisonous vegetables. This shrub, being one of the earliest in leaf, is liable to be eaten by neat cattle, particularly if confined in pastures where it grows, and also when there is any scarcity of grass. Also, when such stock have once got in the habit of eating it, and have once been poisoned by it, they seem more fond of it, and after being once affected, seem to be poisoned with less quantity again.—L. D. Hoyt, in *Rural Alabama*.

[We would say to L. D. Hoyt, of the *Rural Alabama*, that a Remedy for this poison is indeed valuable information, and at the South where Cotton Seed is always plenty and handy the remedy is at hand, but in this State California Cotton Seed can be had, but not always quickly—but we have another remedy equally efficacious—GULF CREAM MEAL, containing the oil that we think more effectual to relieve.—Ed. F.]

HOW TO DRY SWEET POTATOES.

A correspondent of the *Rural Sun* writes: In 1871, I cut the vines from all my potatoes, except one row, before sunrise the morning of the first frost, and dug the potatoes that day. During the first three weeks I think one-third or one-fourth rotted. Very few afterward. I left the vines of the "excepted row" untouched for nearly three weeks. They had nearly disappeared. I dug the potatoes—only two or three bushels—placed them beside the others—a plank separating them. I think not a pound rotted. They were eaten, however, when the others were used up, say within two months from digging. It may be proper to say that the last averaged less than half the size of the first lot. Since that experiment I am in no hurry to dig my potatoes, and later partial experiments only strengthen my opinion.—Ed.

PROFITABLE CROPS.

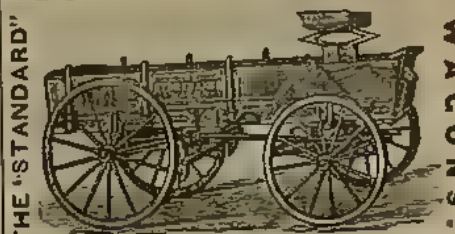
The *New England Homestead* says: A. A. Long, of Northfield, Mass., has been more than ordinarily successful with his tobacco crop the past year. On one acre and eleven rods of ground he raised 2,502 pounds of tobacco, or 2,434 pounds to the acre, which cured in the best condition, and which he has recently sold for 25 cts. through, amounting to \$610.50. Mr. Long is preparing ground for another crop the present year, determined, to equal, or excel, his last year's crop.

A prominent railroad conductor of sodate habits, recently attracted much attention in one of the churches in Portsmouth, while indulging in a slight nap during sermon-time, by exclaiming, "Change cars for Gloucester Branch!" On being aroused he was somewhat embarrassed by noticing all eyes turned toward him with a smiling countenance.



LELAND STANFORD,
President.
H. F. HASTINGS, Vice President.
JOS. CRACKBON, - Secretary.
Schreiber & Howell,
General Agents, Home Office.

STUDEBAKER WAGONS



HAVE BECOME THE

"Standard" Wagons of the Pacific Coast.

FOR QUALITY,
DURABILITY,
LIGHT RUNNING,
GOOD PROPORTION,
AND EXCELLENT STYLE.

They have No Peer.

IRON AXLE, | HEADER, and
TRIMBLE SKIN, | SPRING WAGONS,
Of all sizes, with Heavy Trunks riveted on, always on hand and sold for \$75 to \$175.

Having established a Manufactory to build Wagons, Bods, Brakes and Seals, I am better prepared than ever to furnish

JUST THE KINDS OF WAGONS NEEDED.

The attention of Dealers is especially requested
E. E. AMES, General Agent,
Factory and Depot, 217 and 219 K St. Sacramento.

Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale.
He has on hand and now ready to deliver
Pure Bloods,
Half Bred, and
All Grades up to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.
For further particulars, address
N. GILMORE,
Eldorado, Eldorado Co.

N. B.—The undersigned can particularly refer to the Editor *Panama* for the excellence of his Band of Goats, the Editor can also give particulars. N. G. 37.17

THE ITALIAN BEES.

The Italian Honey Bee has now been so well proved in California that it can be safely estimated as worth four times as much as the old Black Bee.

The Italian Bees are easier to manage and handle in every way—in "Swarming," in "Removing Honey," or "Transferring," and experience has shown that they will make double and treble the quantity of Honey of the Black Bees.

Persons wanting swarms of "Italian Bees" can see them at work and receive all instructions for their culture by calling at the Garden, corner of Mason and Pacific Streets.

THE NEW CORN FREE.

The New and Rare variety of Corn that we have received from Oxnard, America we shall be happy to distribute in parcels in various parts of the State to samples without money and without price, all that wants should call at
FARMER OFFICE.

A TWENTY YEAR OLD SACK OF FLOUR,
Those who desire to see the "Pioneer Sack of Flour," now TWENTY YEARS OLD, made at "Horton's Mills," Union City, in 1853, and awarded the Premium of a "Silver Cup"—can see this PIONEER FLOUR SACK, now good Flour, at the FARMER OFFICE.

S. M. PETERSON & Co., 10 State Street, Boston 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for our paper (name mentioned) in the above cities, and authorized to contract for advertising at our lowest rates.

OIL CAKE MEAL

THE BEST FEED KNOWN

FOR LIVE STOCK

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing in large quantities. Description of feed so greatly promotes the health of cattle as Oil Cake Meal, and we urgently request all who are in the dairy business, raising and fattening stock, or growing, to give it a trial, feeling confident that they will find it of very great value. By those who have used it, it is highly recommended. ONE pound is pronounced to be equal to two pounds of Corn Meal; and in the United States Government Laboratory of the Department of Agriculture for 1883, it stands in following relation to other foods as to the percentage of food produced from a hundred pounds of feed, viz: Oil Cake Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 10 per cent; Oat Cake Meal, 22-100 per cent. For fattening properties to all stock especially to redskins, it is unequalled. For MILKING COWS it is particularly valuable, increasing the quantity of milk and preserving its quality to a far greater extent than any food known. A suitable quantity for a cow at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other food, generally mixed with the meal of bran, clover, roots, or food of any kind. It improves it to soak it for six or eight hours, the effect being to increase the bulk two or three times. The quantity can be increased gradually, according to effect produced—ordinarily not exceeding three or four quarts per day.

FOR BEEF CATTLE it has fattening properties which cannot be found in any other food—the beef always more tender and juicy and of a much finer quality when fattened on any other food, and no feed known will quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and evenness and glossiness of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton, or so promotes the growth of a small quantity given to chilled cattle or sheep will keep them alive and greatly increase their warmth and vitality.

At present price (\$3.00 per ton) it is the cheapest feed known. It is now selling in New York at \$12 per ton, and at \$3.00 per ton in England, where it has been proven for a long time to be in every respect the most profitable feed known for stock of all kinds—one ton being fully equal to three tons of bran.

The increasing demand for this meal from those who coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manufactory, King Street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOB 3 AND 5 FRONT STREET,

Sacramento

WALTER BROWN & SON

WOOL

Commission Merchant

26 and 28 Park Place

21 and 23 Barclay Street,

NEW YORK

WALTER BROWN, HENRY T. BROWN.

Consignments Solicited, and advances made on goods required. 11-22-17

MARINE, FIELD TOURIST

AND OPERA GLASSES.



CALIFORNIA GOLD SPECTACLES, CALIFORNIA GOLD EYE-GLASSES, ROCK CRYSTAL LENSES, mounted in Fine GOLD, SILVER, STEEL, and SHELL FRAMES. The largest stock in this city. SOLD WHOLESALE and RETAIL.

C. MULLER, Optician.

205 Montgomery St., Russ Block,

35.21 San Francisco

Pacific Vinegar Works

POHLEY & KOSTER.

PROPRIETORS.

WORKS, COR. GOUGH AND FULTON STS.

HAYES' VALLEY.

OFFICE 321 FRONT ST.

(UP STAIRS.)

Corner of Commercial, SAN FRANCISCO.

NAUBUC.

TROTTING STALLION, NAUBUC.

This extraordinary Breeding Stallion is 15 hands 2 inches high, in color Clear Jet BLACK, his weight is 1050 pounds. Naubuc was bred by Toronto Chief, out of the best ten-mile trotting mare Gipsy Queen.
Toronto Chief was the first horse that trotted a half mile in a race of 1:34; he beat Commodore Vanderbilt in the straight heats in 2:23½, 2:23½, 2:24¼. George Bidwell, owned, trained and drove Gipsy Queen, claimed that he was by Wagner, out of a mare by Glenwood, and to have won ten mile race with Capt. McGowan was beaten less than length in 2:31½. Naubuc's sire, dam and full brother, Toronto Chief, with a record of 2:23½, are all famous stallions, and in the Stud, which endues this horse to special favor among the breeders of this State.

Naubuc will stand this Season at the Naubuc Farm, Loma, Alameda county, the Season ending July 1st. Terms, \$50 for the Season. For particulars send for circular to DR. D. J. SHATTUCK, 38.14 California Street, San Francisco.

Horticulture.



A FLORAL EMBLEM.

A FINE PLACE—Dumfries, Connecticut, is getting to be considered the most funny place in the country. Here is a part of a postscript received some time since from that interesting locality, ordering the Floral Emblem for the year.

My wife of the dear, darling flowers is fond,
As a bee of the clover or duck of the pond—
A frog of the water—a snake of the grass—
The maid of her mirror—the tamer his glass—
An oyster of ocean—a lawyer of fees—
The youth his cigar or the rat of his cheese,
If you talk about buds, why the mere whispered name
Blows up conversation at once in a flame;
The sight of a paper of seeds, you must know,
Sets both of her eyes in a rapturous glow;
And a glance at a bulb, if the truth may be told,
Pales her far more than a nugget of gold;
A green-house or flower stand—sorry on me!
Sets every thing flying in chatter and glee;
Nor would she be care, is so glowing a scale,
If the whole swallowed Jonah, or Jonah the whale.
Such perfect beatitude never, dear Sir,
You saw as the flowers leapt into her.

From Vick's Quarterly.

FOLIAGE PLANTS.

A great mistake is made by many in the arrangement of the garden, in not giving sufficient attention to foliage plants. A bed of flowers may be ever so rich, and the display of colors may be dazzling, but if there is no frame work of living green, the effect on the eye is rather painful than otherwise. The fault of many gardens, is too much glare. Masses of brilliant flowers—red, yellow, white and scarlet—are grouped together, until the garden is all a flame with radiant colors, and the very gorgeousness is oppressive.

How refreshing to the eye to have here and there a clump of rich, dark green foliage to rest on! While the gaudy hues of the flowers has a tendency to aggravate the heat of the summer day, the living green of the foliage is suggestive of cool, refreshing shade. In every flower garden there should be borders of emerald turf as a frame work to the beds, and to occupy space not allotted to flower. Foliage plants can be used with fine effect interspersed with the flowers, and in every garden green should be the predominant color, or ground while the flowers form the embroidery.

In the arrangement of flowers in vases and baskets, the same order should prevail. A bouquet without a background of cedar, arbor vitae, or some other evergreen, is never complete, and is all the more perfect if ferns and grasses are interspersed.

—Rural Albanian.

FOR HANGING BASKETS.

Line the basket with moss, with a little soil attached. Place in the center a small pot, containing a sturdy plant of upright habit, fill up the surrounding space with rich wood and old hot-bed soil; fill in with plants of a climbing or trailing habit; when the centre fades you can replace it by a fresh plant. In filling a basket, select plants of a similar nature—such as like shade and moisture, the Fuchsia, Lobelia, Ivy Geraniums, Ivies, Luscias, Pansies, Balsam, gold and silver Vines, Ferns. A basket for a hot, sunny situation should be filled with Celosia for the centre; also, Petunia (double), Sedum, Convolvulus minor, Nasturtium, Begonia, Mignonette for trailing. A carnation will make a constant blooming centre—a Celosia a brilliant one.—Am. Farmer.

CARE OF HOUSE PLANTS.—A lady in Kansas gives her plan of caring for House Plants, as follows: "I live in a frame house, and last winter kept fifty pots of different kinds of geraniums, roses, fuchsias, and remountant pinks, all of which received the same kind of treatment, and in the spring my plants were more healthy and the leaves a dark green color. Many came to me for slips in preference to the green-house. Every two weeks all winter I would take a handful of tobacco stems and steep them by pouring boiling water over them until it looked like strong tea, then when the tea cooled enough to bear the hand, I poured it over the plants. Sometimes the leaves would wilt for a few moments and then straighten out and have that bright fresh look they have in summer after a shower. Then I would weaken the tea a little more and wet the ground in the pots, and I had no red spider nor green fly."

INSULING IN FLORAL LUXURIES.—A lady friend of Koscinski, Mississippi, writes that a neighbor lost a portion of her bulbs in a very singular manner. "The Bulbs," she writes, "that you sent Mrs. O. were received in good condition, and gave much pleasure by their healthy appearance, and they were put carefully away, but unfortunately she had a thievish little freedman about the house and one day in his search after dainties he found her bulbs, and thinking they were choice onions, actually ate, devoured, swallowed down more than half she had, and among the rest her Auratum Lily, a dozen Tulips, Hyacinths, &c. If the dark blossoms the coming spring I will let you know that you may class him among the novelties."

A LARGE FUCHSIA.—Travelers, it is said, usually tell large stories. I will venture to tell just one story, which I wish the ladies to believe, and I will only say that I could tell it some larger if I thought it would not make it harder to believe. It is this: I saw a Fuchsia tree near Venloer, in the Isle of Wight, so tall that I could not reach the lowest flowers, (perhaps eighteen feet in height,) with a trunk more than fifteen inches through. Since this was written I observed a notice of this Fuchsia in the Revue Horticole of France. The Flora des Serres, of Belgium, in copying the article from the French journal, says this is doubtless the largest Fuchsia in Europe, but is only a baby compared with specimens the editor had seen in South America.

A Burlington, Iowa, book firm advertises Bibles "superior to all others."

CONDITION OF THE FRENCH VINEYARDS.

The second shoots on the frozen vines show themselves freely, and the sole hope of the vigneron is now that there will be plenty of wood, so that if a favorable weather continues, a fair vintage in regard to quality may be expected in 1874. The condition of the vines on the slopes is an excellent one, and there is no doubt that for the owners whose vineyards have been spared by the frost, this year's vintage will be a most remunerative one. Frost-frosts are making their appearance for some nights and seldom pass without doing some injuries, but the general aspect of our atmosphere seems to promise a steady favorable temperature for the coming season.

The Tehama Independent says:

Many of our farmers who contemplated commencing cutting their grain on Monday last, have concluded to wait another week. From a hasty glance the grain looks ripe enough for the header; but upon a closer inspection many spots were found which are quite green.

We are informed that work is progressing slowly on the lumber flume. About four miles are already built, and the work is going on at the rate of half a mile per day.

FRUIT PLANTS.

It was expected that there would be a good sale of valley peaches this season because of the damage by frost in the mountain orchards. This expectation is likely to end in a disappointment, as the Lesson Advocate says it is informed that there are plenty of peaches remaining on the trees unharmed.—The Daily Appeal.

A CARD TO THE SUFFERING.

The writer of this notice will cheerfully send (free of charge) to all who request it, the RECEIPE for making and Successfully using a very simple VEGETABLE REMEDY, that will be found a positive and speedy cure of NERVOUS DEBILITY, PREMATURE DECA, LOSS OF VITALITY, and all forms of NERVOUS AFFECTIONS, and the evils and disastrous consequences that follow in their train.

This remedy is entirely a product of the vegetable world. Its component parts are simple as nature herself! It is harmless towards nature, yet powerful in opposing and eradicating disease. Consumptions, despondency and debilitated Nervous sufferers, do not fail to give this remedy a trial. It may save you from a LIFE OF MISERY, or a PREMATURE GRAVE. Letters of inquiry answered by return mail. Those who feel disposed will oblige by stating their symptoms—by so doing beneficial suggestions may often be made.

Address,
EDWARD BURNETT,
Tropical Nurseries,
ALBANY, N. Y.
N. B.—Those suffering from Incontinent CONSUMPTION, ASTHMA, BRONCHITIS, &c., &c., will find speedy and permanent relief in the above mentioned remedy.
It is at least worthy a trial, as the cost is nominally nothing.
Respectfully
EDWARD BURNETT,

SEEDS AND PLANTS BY MAIL.

During the last Session of Congress a bill was passed which carried very much the sending of seeds and plants by mail as it changed the law which allowed sending packages of four pounds, and restricted it to parcels of only 12 ounces. This act was so universally condoned that remountances and letters were sent to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, &c., at the old rate of 8 cents per pound.

RATES OF POSTAGE.

For Packages of Four Ounces,	2 cents.
" " " Eight "	4 "
" " " One Pound,	8 "
" " " Four "	32 "

It must always be borne in mind by all who send Seeds or Plants by mail, that every package must be done up securely and every package, Seeds, or Plants must be prepaid, these go in the Newspaper Mail.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free of charge at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, we shall be glad to see them.

SCIENTIFIC BOOKS

FOR

Farmers and Gardeners.

The latest works on Architecture, Agriculture, Poultry, Domestic Animals, Small Fruit and Floriculture. Special orders will be made for anything not in Stock without extra charge. Books sent by mail to any part of the country.

A. L. BANCROFT & CO.,

Booksellers and Stationers,

89.17

SAN FRANCISCO.



AGENCY FOR THE SALE OF THE

La Belle Wagon.

MADE BY

FAIRBANKS BROS. KNAPP & CO.,

Fond du Lac, Wis.

These Wagons are made of the best timber, thoroughly seasoned in a dry-house; the wheels are bolted to oil and riveted. Special care is taken to get up a wagon well proportioned, of easy draft, strongly ironed, nicely painted, expressly adapted to the climate of California, and one that will give entire satisfaction to the purchaser, and justify him in recommending it to others. We warrant them to stand any fair usage for one year, without expense to the buyer. Orders from the country will receive prompt attention. Wagons delivered free of expense to this city. A liberal discount will be made to Wagon makers, Merchants and others who buy to sell. Price list sent on application.

MEERKE, JAMES & CO.,

S. E. Cor. California and Davis Sts.,

SAN FRANCISCO.



Thirteen First Premiums

RECEIVED IN 1867 & 1868.

FOR THE BEST

WHITE AND RED WINES

Gold Medal Awarded

BY THE STATE AGRICULTURAL SOCIETY, 1867.

Silver Medal

BY THE MECHANICS FAIR, 1868.

FOR THE BEST SPARKLING WINES.

LANDSBERGER & CO.,

30-12.

423 to 429 Jackson Street.

AGENCY OF

The Orleans Hills Vinicultural Association,

Sacramento, California.

Messrs. Pellett & Carver,
ST. HELENA, CALIFORNIA.

Wine Cliff Vineyard,
BURRAGE & TUCKER, PROPRIETORS,
NAPA, CALIFORNIA,
And many other Vineyards throughout the State.

SOUTHERN REFINING COMPANY,
LOS ANGELES, CALIFORNIA.

Potrero Distillery Company,
SAN FRANCISCO, CALIFORNIA.

JAMES HENNESSY (established in 1872,)
COGNAC, FRANCE.

On hand, and for sale, in Wood or Glass, (in 12 to 16 to suit the Trade.)

Dry White Wine from Mission, Reiding, Orleans, Chasselas, Fontainebleau, Gray Malvalise, Berger, Zinfandel, Muscatelle, and White Muscat of Alexandria Grapes. Dry Red Wine from Mission, Zinfandel, and Malvalise Grapes.

CHAMPAGNE.

Port, Angellio, and Sweet Tokay,
BRANDY, VINTAGE OF 1871, 1870, AND 1869.

Pure Spirits from Grapes, Wheat, and Corn.
JAMES HENNESSY'S BRANDY, in bond or Duty Paid.

J. M. CURTIS;

Wine and Spirit Commission Merchant,
No. 434 Jackson Street.

JAMES CAROLAN & CO.,

IMPORTERS OF

Foreign and Domestic HARDWARE,

Agricultural Tools,

Baling Wire and Rope,

CUTLERY & C.

COR. FRONT AND J STREETS,

SACRAMENTO.



Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

10 TO 20 ACRES

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE.

89.17

VERY RARE SEEDS.

A Large collection of Very Rare Seeds just received from AUSTRALIA, among them the finest TREE and SHRUB Seeds of Rare Beauty and Value. Send orders to

FARMER OFFICE.

THE GERKE WINE.

The Product of the Celebrated Besquejo Vineyard, Located at Vina, in the Foot Hills of Tehama County.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that which is now offered being the vintage of 1868.)

And in order to safely guarantee its purity, is sold only in Rock Bottles bearing the Trade Mark, H. G. upon the Label.

NOTE:

SHERRY,

MALAGA,

REISLING,

MUSCATEL,

ANGELICO,

CLARET

are also Products of the same Vineyard, and sold in any desired quantity.

Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

The Wines from this Vineyard are pronounced by competent judges to be the best brands of California Wines.

HENRY GERKE,

416 and 420 Market Street, Cor. Sutter,

San Francisco, Cal. P. O. Box 544.

GEO. HAMILIS, Manager.

38.21

G. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, Angellio, Etc.

Northwest corner of Battery and Pine streets,

SAN FRANCISCO



TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments, only charging interest at the rate of 5 per cent. per annum Freight at the chartered price paid the ship, Insurance and other charges at the lowest rate obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

J. C. MERRILL & CO.,

204 & 206 California Street,

39.15

SAN FRANCISCO.

HOAG & CO.,

General Produce.

COMMISSION MERCHANTS,

NO. 200 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco.

E. M. WHEELER & CO., Bankers, Household Bys.

CUTLER & BAZCHER.

BANK OF SONOMA COUNTY, Petaluma.

J. G. WICKHAMMAN & CO'S BANK, Petaluma.

BANK OF SAN DIEGO, San Diego.

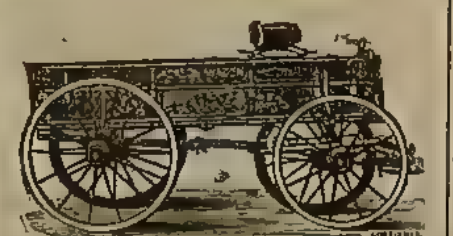
Cash advanced on Consignments and on Property in Store.

39.13

FARMER'S NEWSPAPERS.

We would especially remind all our Farmer that come from whatever section they may, East, West, North, or South, or from Europe or the Colonies, they can always find the Best AGRICULTURAL NEWSPAPERS from all these sections on file at the California Farmer's Reading Room, 320 Clay street, up Stairs.

The Reading Room and Museum Free to all, with a large Library also.



JACKSON WAGONS are allowed by all who ever used them to be the BEST Farm Wagon Imported from the East. Also, a Light Express Wagon, made in Ohio, will bear comparison with the best work ever seen on this Coast.

The above for sale very low by

J. D. ARTHUR & SON,

39.1m3

Cor. California and Davis Streets.

COMMISSION SALES-ROOM
(AND)
Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles or merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do this business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or bills could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our special business, and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following:

THE POTATOE PLANTER,

JEBB'S PATENT GURRN,

CHEESE CURD CUTTER,

PATENT WEEDING HOB,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS.

Also,

TOBACCO SEED.

COTTON SEED

COFFEE SEED.

TEA SEED:

THE BEST KINDS OF

FIELD, GARDEN, FLOWER,

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind.

GREENHOUSE AND BEDDING PLANTS,

These are grown at our nurseries under our own care, where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and best system of Fencing all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bills. receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes—there is one essential *Pre requisite* that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

20,000 NEWSPAPERS.

We have TWENTY THOUSAND Newspapers—Newspapers of the largest size among our Exchanges, suitable for WRAPPING PAPER for Dry Goods, Clothing, etc.

—ALSO—

TEN THOUSAND

Of the best Agricultural Papers known, comprising our various Agricultural Exchanges from all the Eastern States and Europe. Farmers who would like valuable reading matter, which contains choice Essays and Letters on Agricultural matters can have these at low rates by the Hundred or Thousand. Apply to

WARREN & CO.

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in

THE CALIFORNIA FARMER, SAN FRANCISCO.

THURSDAY EVENING..... JULY 17, 1875.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

230 Clay Street—Marble Building—Up Stairs

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences. A Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, are TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion; twenty cents a line for any larger space. Each subsequent insertion half these rates. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. Advertisements the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

HOUS.

The Story of the "Black Silk Dress" is concluded this week, it contains a good lesson for young married women, showing that economy will secure Love and Happiness.

We also offer in our Home Department several valuable Chapters of interesting matters for Woman's interest and best welfare.

Our European Letter contains important and interesting matters for our Farmers to know.

Our Esteemed New York Correspondent gives us a Valuable and Interesting Letter all about the beauties of "Central Park," and the benefits such scenes confer.

Wool Reports.—We call special attention to the Wool reports of Messrs. Walter Brown & Son of New York, one of the largest and most reliable Wool Houses there. Our wool dealers should know them.

Progress.—It will be seen our present number is largely devoted to the cause of Education, for we believe Education will make us value the great blessings we enjoy.

Letters on Life.—We are again favored with Letters, or "Leaves from Margaret's Journal" which will appear in our next.

Letters from Europe of much moment just received.

We have also other Letters from our New York Correspondents for our next.

Letters also from Nevada and from several of our Valued Friends at the East all on file.

Ousted Out.—Several articles already in type we were compelled to leave out to make room for Educational reports.

NEW MUSIC.

New and beautiful Songs, and new and choice Compositions in Music is constantly being sent out from the Musical Press of M. Gray, Esq., 625 Clay Street.

Among the late new pieces are six new Melodies, they were composed by Richard Lindan, and dedicated to Stephen Heller, and are "There was an Aged Monarch," "Trooper's Song," "Wanderer's Evening Song," "Trembling Shadows of the Moon," "Peace my Beloved," "Fragments from Goethe's Faust,"—these are all written in three languages, also three beautiful Songs: "Take Me with You, Mother take Me," "Sweet By and By," "Birdie has Gone with the Angels."

The sales of Music is very largely increasing in our State, the Love of Music and of Song we would hope would in a measure counteract the insatiable "Love of Gold."

THE QUEEN OF SONG.

The announcement of the arrival of Madame Annie Bishop so justly deserving the title of "The Queen of Song," has gladdened all the lovers of Melody who remember her last visit here many years ago.

We can say with truth that very few of the Prima Donnas but have been heralded and praised for a season, but their fame was short lived, but this "Queen of Song" has a name and fame that has always stood the test for years.

The many warm friends of Madame Bishop will gladly welcome her at her Concert announced for this week and give her a welcome worthy a "Prima Donna."

It is announced that this visit of Madame Annie Bishop will be her last visit here, it is to be hoped if sufficient inducements cannot be offered to retain this distinguished Lady here that at least such a Triumphant Benefit will be offered as her departure as shall be worthy our Citizens and gratifying to Madame Bishop.

WHAT OF THE CROPS?

Good News! Good News! everybody is coming over to our way of thinking and of reasoning and reporting about the Crops.

What is now most earnestly thought of is the question of Freight. We want more Ships, and less cost of the freight, then our Farmers will get a little more for their Grain.

The reports made by our Country Press and gathered up by our City Press shows our Crops to be as large as last year, and this is just what we have said all along, and our facts were not guessed at, but gathered from actual observation.

That there are places and spots where the harvest is light and the yield small there is no doubt, and the cause of it can be laid in nine cases out of ten to the planter himself, for it is now almost universally conceded that wherever the Crop was attended to as it should be there has been no failure but good Crops on all "Summer Fallow" and on all well-tilled and early planted lands.

The past year's experience has proved a great and will be a lasting benefit to our State, for our Farmers have learned what they will not soon forget.

HOLDING ON TO THE GRAIN.

This subject seems now to be one of considerable importance to our Grain-growers, and one worthy of serious consideration to them and all their interests.

The Grain-grower who has a large amount of wheat on hand desires very properly to realize all he can as the reward for his toil, labor and expenditures, and this is all right and proper and those who are free from debt and embarrassments have a right to "Hold On" for the risks of a fall barle no one but themselves.

The case however, of those who are in debt and paying interest money, is quite another thing, by selling their Grain at once they stop that Onerous Worm Interest, and stand up rolled from embarrassment to the amount sold, and can in most cases stand free of all debt. This is most desirable for a Farmer, thus relieved he can do more good work in one week free of debt than he can in two embarrassed.

Those who are now "Holding On" should sit down and carefully count the cost before they resolve to do so, and more especially those who are in debt, and those who would pay Interest, Storage, Insurance and Commissions, for these are the Canker Worms, that in nine times out of ten, eat up the rice in price faster than it ever occurs.

If those who are now debating whether to sell or to "Hold On" will count the costs and risks of holding these estimates, the benefits of Money in hand, accumulating Interest or in Improving the Farm, they will not long hesitate, they will sell, and not heed those who urge the suicidal policy, "Hold On."

WINE CASKS.

Our Vine Growers and Wine Makers know how all important it is to have good, and strong, Pure and Sweet Casks for their Wine, too many new beginners, we fear, as a matter of economy purchase old second hand casks that can never be made free from taint and bad smell, and thus injure their Wines in flavor and lose many times what new casks would cost, this is a poor policy.

There has been quite a discussion going on of late relative to the use of Redwood for Wine Casks, some prominent Wine-men use them and recommend them, while others condemn them, one thing is very certain, the good old Oak Casks no one doubts, these are always safe and sure, while there is doubt of the Redwood.

Our own judgment and experience inclines to the Oak, sure and safe, and will always bring more and sell better than softwood after used for Wine or for any other purposes.

We have lately seen several lots of both kinds and learned the result of each.

We lately saw a list of Oak Casks made by Messrs. Coppage & Co., Coopers Jackson Street, for Solano county, which we should prefer to Redwood even at double the cost of the latter, and yet the cost was only 3 cents per gallon more.

Messrs. Coppage & Co., are young, active, and very reliable Coopers, and our Wine-men that wish to have good Casks made faithfully should go and see their work.

Some Casks filled with Wine recently were collapsed on their way over the Railroad East, reports say they were Redwood, and being new would not bear the transportation, one would hardly suppose that even two tiers of full casks above could crush another, yet so it was, we only give as reported remarking that we believe in the good old Oak Casks.

THE NEW BANKS.

Will the formation of the New Banks improve the Circulation of Money and give more facilities to our business men, is the question now discussed, as the high price of Money in California is so great a contrast to New York affect seriously all business operations.

The rates of the Bank of England is now 6 per cent. per annum while the rate for money in New York on call is only 3 to 4 per cent, a circumstance rarely if ever before noted, while in San Francisco it is 12 to 15 per cent per annum, and yet we are only speaking of distances from New York, why should this be? Our Bankers can answer.

The Western Savings and Trust Co., just opened on Montgomery Street, now promises to be a Bank that will by its peculiar manner of doing business as is shown, tend to facilitate business and circulate money, and with a large capital do a large Safe and Successful business, business men should call on the Managers, 150 Montgomery Street and confer with them, and learn the facilities of Life Insurance and Banking, so well developed in the business plan of this Company.

Persons desirous of seeing Boss at work can do so by calling at the Garden 933 Pacific St. any morning where we shall be happy to show how bees should be handled.

THE UNIVERSITY OF CALIFORNIA.

"The same that a man wins himself is best: That he may call his own. Honors put on him Make him no more a man than his clothes do, Which are as soon taken off."

The University of California opened its doors at "Berkeley" the new site and to their New Halls dedicated to Literature and Science yesterday, as their Festival Commencement Exercises.

The day was beautiful, the air serene, the many hundreds that assembled were happy seemingly, an omen of the Prosperous future for this to be a Great Seat of Learning, but as we say in the quoted words of the Poet, the scholars to be made here, will depend upon the material within themselves, a Diploma or a Degree is not always a surety for the man.

The Graduating Exercises for Commencement were held at "Brayton Hall," Oakland, on Tuesday, and were of a high order of Merit. Our space will not admit a full report of them now, we shall give particulars hereafter.

Festive gatherings of the Alumni with Sentiments and Speeches, at which some One Hundred Ladies and Gentlemen were present, closed the scenes of Tuesday.

On Commencement days the long line of Oars (extras) with a Band of Music heralded the way from Oakland to Berkeley with many hundreds, including Invited Guests and Friends of Education.

The order of Exercises at the "College of Letters" opened with Music, this was followed by Prayer, next in order was the Salutatory Oration in Latin by Frank Otis, of San Francisco, which was delivered with the ease and grace of a scholar.

The next was an English Oration by Nathan Newmark, of San Francisco, most admirably presented, this was followed by the Address of Pres. Gilman, which was as expected, most happily appropriate, and just fitted for the occasion, his figures in alluding to the Twelve Graduates, likening them to the Twelve Jurymen, and the Twelve Disciples of Christ, was felicitous as he earnestly charged them to be Jurymen of Truth for the cause of Science and Literature, and faithful Disciples of the cause they had espoused.

The Degrees of Bachelor of Philosophy was then conferred on Seven Graduates, and Bachelor of Arts of five, it is somewhat singular that this Myrtle number should be that of the first Graduates of "Berkeley."

Gov. Booth was then presented to the Audience and delivered one of the most effective and Classical addresses, his appeals for the College were urgent and brilliant with elegance as the cause which demanded it, the Gov. was particularly eloquent, most happily to.

The asper painting of "Bishop Berkeley" presented to the College by Hon. Frederick Billings was formally presented by Rev. H. G. Lathrop in a happy manner and the Letter of Mr. Billings read, Mr. Lathrop giving an interesting sketch of the Life-work of the Bishop, which we regret we cannot give for want of room now.

This closed the First Commencement Day at Berkeley, may each succeeding one be more and more prosperous.

The Day closed and the Evening was made festive by the Reception Party of Pres. Gilman, at the Pacific Grand Hotel.

This Reception can truly be said to be one of the largest and best attended Levees ever held in our State, the occasion, the spacious and grand apartments for it, the many hundreds of the most talented Gentlemen, and beautiful and accomplished Ladies, with all the surroundings made it indeed a brilliant, happy, and joyful greeting to Pres. Gilman.

During the evening a superb life-sized Painting of Pres. Durant and of Pres. Gilman were presented to each, the past and the present Presidents of the College—the whole a most happy affair—we rarely have witnessed a happier.

The first meeting of the alumni of the College also held their Festive Dinner the same Evening, at this hotel a brief time spent with them revealed happy spirits, fine speeches, generous hearts.

This closed the eventual Days of Commencement of the University of California.

AGRICULTURAL COLLEGES.

There is at the present time a very just indignation felt all over our country at the great neglect shown to the interests of Agriculture in those Colleges, which have been established by the "Grants of Lands," especially designed for establishing such Colleges, and for the advancement of this Science by practical teaching and experiments of the Students of such Colleges, but by peculiar management these lands, and all funds raised by donations or the gifts of the States have been used to endow Colleges and Universities of quite another kind, however valuable such Colleges may be.

A very earnest and warm discussion has been started in several States, and the subject is being freely discussed as will be seen by the article we give this week from the American Farmer. The "Friendly talk about Agricultural Colleges," to which we call the special attention of our Farmers and all who desire to have the means originally designed by Congress used as it should be for the CAUSE OF AGRICULTURE.

THE COMMERCIAL HERALD AND MARKET REVIEW.

This excellent and reliable Commercial Journal, published by Messrs. J. H. Orman & Co., of our city, which came to us this morning, contains a large and complete Report upon the Grain Receipts and Exports for the last 17 years, together with Commercial, Financial, and the Manufacturing Industries of our State—one of the best reports issued for a long time.

The Mothers and pretty Babies are to be quite excited at Pacific Hall this week, to-day and the rest of the days.

Twenty years ago in this City a Baby Show was repudiated—now advocated.

EDUCATIONAL.

"For just experience tells in every soil That those that think, must sow those that tell."

The season of Spring and opening Summer, when Nature is robed in her brilliant garments of fragrant Flowers, has been selected as the best period of time when the cause of Education should be brought before the people, and its value presented and made known, and for this reason the Colleges and Seminaries of learning, and our Public Schools, as also all Educational Societies hold their Anniversaries, and offer the results of the Seed planted in the mind two year past, and these results are indeed often, and we may say always, such as to show how fruitful is the mind when due care has been paid to its culture.

The present year has shown very many successful Commencement Exercises at the various Colleges and Seminaries of our State, as well as our Public Schools, which are in a generally prosperous condition, our people being fully sensible of the great importance of Education, in fact confident that the only safety of our Institutions depends upon the Education of the rising generation.

The months of May and June has witnessed the success in the various Colleges and Seminaries in our city and around our city, and of Santa Clara, San Jose, Benecia, San Mateo, Sacramento, Stockton, Marysville, Napa, and other places, these Colleges being as the corner stones in our ark of safety.

The month of July has witnessed other Exhibitions in our city most highly creditable.

The present week has been the Anniversary or Commencement Exercises of the University of California, of which we speak in another column, and now that the harvest of Honors have been gathered by the fortunate students which shows them that "Wisdom must be sought," or "Honors never be won." We can say we rejoice at the Progress Education is making in our State, and the interest shown by our people to make the cause of Education obligatory is noble and truly to be commended.

We herewith present the time of the Commencement of the New Terms of the Colleges as far as they have been made known to us:

- The University of California,
- "Santa Clara College, Santa Clara, August,
- "Notre Dame " San Jose.
- "St. Augustine " Benecia, July 31
- "Mill's Institute " Brooklyn, July 30.
- "Sacramento Female Seminary, Sacramento, July 31.
- "St. Matthew's Hall College, San Mateo, July 30.
- "Laurel Hall, San Mateo, July 31.
- "Head's Business College, San Francisco, all Seasons.
- "Washington College, Alameda Co., July 30.
- "McClure's Military Academy, Oakland, July 30.

These Institutions are all in a most flourishing condition with large classes, and accomplishing great good for our State. Notices of number of Pupils, Terms, &c., appear in our columns from time to time.

ST. MATTHEW'S ACADEMY, SAN MATEO, Giant Oaks from Acorns grow.

The foundation laid of a good education based upon Moral principles as well as Intellectual culture is indeed like the acorn, the seed of strength that will prove like the Oak in mankind, a tower that will stand the storms of worldly influences and come out triumphant.

The St. Matthew's College or Institute of Instruction was commenced seven years ago with one Pupil by the Rev. A. L. Brewer, then, and now Pastor of the Protestant Church of San Mateo. Mr. Brewer feeling the importance of a correct training of the youth that they may become good and useful men, resolved to commence a Boarding School for Boys, and began with one.

From this little beginning the school has progressed steadily until it now numbers Fifty Pupils, and so great has been its success, so good its results in the training, morally as well as intellectually, that it required enlargement of the Rectory, and the addition of new buildings twice, and recently a beautiful new edifice, costing upwards of Ten Thousand Dollars.

The great and grand aim of this Institution is and ever will be to give a Home to Pupils, not a mere school where Pupils must go to study and be restrained and confined, but a Home where they shall realize that in their Friends and Guides, Mr. and Mrs. Brewer, the Principals, and in all the other Teachers and Matrons to care for young boys, they have friends who love them and wish to make them happy, by making them intelligent and morally educated and trained Pupils.

This Institution is under what is termed the Military system of Training, not to learn them the art of war, for the love of Military fame, but to teach them precision, promptness, and order, the whole plan as we have said, to Train Boys in the way they should go, and to give them a hatred for the crime of Swearing, Vulgarity and the Vices so prevalent among the boys and youth of the present day, and this is done at this Educational Home, where Pupils come to the same table with the family, and are taught by their affectionate Guides a social training also, thus making them love this home of their studies among their teachers and friends, thus not only educating the mind, but the heart also.

The school consists of Two Terms, as stated in the Advertisement in our Columns, and to show the location of the College Buildings, which are one of the most pleasant spots in San Mateo, we give on our Front page an Illustration of the Church, Rectory, and School Buildings, these show them fully.

Put a little black pepper in some cotton, dip in sweet oil and insert in the ear. This is one of the quickest remedies known.

YOUNG MEN WANTED.

Yes! Young Men are wanted, and Young Men of the Right Kind too, to take charge of our State and its Noble and Philanthropic Institutions in coming years, and guard them and save them from misrule and bad management, which so alarmingly prevails, that Committees of Investigation have been obliged to be called to eradicate misrule and base corruption in nearly all our Public Institutions, Public Schools, Health Departments, Deaf and Blind Asylum, Industrial Schools, Almshouses, Hospitals, and almost every department of our Government, and the cause of it, the unfitness of those put in places of power and trust, men unworthy of such positions but who has secured them by political trickery, seeking office, not for the good they can do the people, but for the Money they can make in that Office.

The time has come we trust when good men are the danger that threatens all our Institutions unless a change can be made, and the only possible way to secure so desirable an end is to Educate our Young Men, to fit and prepare them for the various positions of life, to Educate them wisely and PRACTICALLY, not Superficially.

We have Colleges and Schools all over our State where Scientific and Literary honors can be attained by study, but the great mass of our Young Men are to be trained for an active and busy worldly business life, and these are the young men into whose hands the Destinies of the State are to fall in the next Ten, Fifteen or Twenty years, and our State and all its mighty influences Intellectual, Moral, Social, Physical, Religious, and Political with all its vast production, interests and its colossal wealth will be controlled by the now Youth and Young Men of To-Day.

We are led to these thoughts and their vast momentous importance by the words at the end of this article which we found in *Herald's College Journal* and the sentiments which we endorse and append here as they are all important to the object which we have presented in our opening remarks, *Herald's Column* is one of those Institutions where Young Men can be trained to make them fit Guardians of our Noble State.

We here copy:

One of our greatest needs is young men; not enough, young men—not walking taller shoes; young men of strong sense, who know how to work and are willing to do it; young men destitute of false pride and false modesty, and gifted with plenty of energy, moral courage and independence; young men who can be constrained to do something more than handle a billiard cue, to whistle a pine box. The decline of almost all towns begins with the decline of its young men. When they cease to work, when they become contented to live upon the earnings of their fathers and industrious fathers and grandfathers, when they slumber and settle down into nothing, but a gorgeous mass of seal rings, flaming neckties, hotted shirts, lavender kids and shiny hats and become sleepy men of the town, was to trade, business and progress of the place they live in.

Give us a supply of young men who are not loath to sweep out a store, who are not afraid to carry a bundle through the streets, and who will not insult if their lady friends see them roll a wheelbarrow. Give us young men who have the spirit to do more than wear out the seat of their breeches on store boxes and nail kegs, and then will the day of our prosperity be at hand. Then will our manufactories and business increase, and our city will begin to be known for its enterprise and thrift.

ADVANCE IN OUR WINES.

The late severe frosts among the Vineyards of France and Spain, and which has increased the prices of Wines there 20 to 30 per cent., must affect our California Wines in value by and by not immediately, as the increased cost of French wines must necessarily lead to a greater use of our California Wines, the French wines being high cost for common daily use, already the demand for our best California wines has elicited attention in Boston, New York, Philadelphia and other places, and their purity and excellence Table Wines is becoming more and more familiar to the drinkers of foreign Wines who readily give them due credit for excellence.

The "Lundeborg & Co's" Champagne, with their "Still Wines are fast competing with foreign Wines, and are winning many purchasers that formerly used only Imported Wines.

The fine "Reliefing" and "Tokay" and "Port" Wines, sent out by J. M. Curtis, Wine dealer at Jackson Street, are also becoming very popular abroad, the Reliefing running a sharp competition with many of the Imported Rhine Wines.

The "Sainsevain" Wines are also increasing demand abroad, the famed Wines known as the "Ocasomogo" are now known and highly esteemed abroad far and wide, and these wines largely increase in demand.

The Wines of G. Groeninger are sold largely in New York at his Agency there, and their value fully established, and their demand and use steadily increasing.

The "Gharke" Wines have for several years been known and highly esteemed, their reputation abroad is fixed as among the most excellent California Wines.

Messrs Kohler & Folling one of the old Houses dating back to 1856, having agencies in New York and St. Louis, have Wines of known and of established reputation.

All the Wines we have named we know to be very popular wines, those that are pure and reliable, these Wines have done credit to our State and these Wines will now come into larger demand by reason of the advanced price of all foreign Wines, and this will prove of very great benefit to our Vine-growers and Wine Makers, as it will tend their use, and once established, the demand will be a permanent one, and such as to take the pure Wines our State can produce.

RAILROAD INFLUENCE.

Our Railroad Influence is now one of mighty and momentous importance, the very welfare of our State in all its Mercantile, Manufacturing, Farming, and Commercial interests are directly and vitally affected by them and it therefore becomes of the highest moment to our people that such measures should now be adopted as shall best lead to a harmony between the people and our Railroad Managers.

The Press (a portion of it only) and a certain class of the people, are arrayed against the Railroad Corporation, and for a long time (and there is still a continuance of it) a tirade of abuse heaped upon the Managers, at one time calling them all manner of hard names, as Monopolists, taking all the people's money and growing rich upon the people's sufferings, then they attack the Credit of the Company, and say they owe largely and cannot pay their bonds, &c., and yet although this abuse has now continued for nearly two years, and various plans have been adopted to crush this Monster (?) the plans of these patriotic opponents have accomplished nothing, and the Railroad flourishes and the Managers live!

In a review of the past we find the Committee of an Hundred (fortunately for our City and its Ten Millions) accomplished nothing, and so with many other schemes and Committees and plans, while the Cars move on glibly, Merchandise is quickly sent to and fro, Ships are loaded with Grain quicker than ever before, and our Farmers have their Grain and other products brought to market quicker and cheaper than ever before since the earth began to be cultivated in our State.

The Railroad Question as we have said is one of vital moment to our State and particularly to our Producers, and we believe it to be a very great wrong in any class of our people to try to array any class against the Railroad Managers—'tis said tauntingly that they are a powerful Monopoly—then it is not the part of wisdom to taunt an uncaged Lion, far more wise to go like men and citizens and fairly and kindly present any seeming grievance, and we have faith to believe everything will be done that can be done that is consistent and within the power of the Managers to do.

We know that a reduction in freights has already been cheerfully made on the Eastern end of the line, and will always be made when properly presented and it can be done.

What has the Company done for the Working-men, the Mechanics of our State? the building the Road, the vast number of buildings, Warehouses, Wharves, &c., paying out its many millions every year. Stop their labor roll, and tens of thousands of laborers would suffer, and stores would shut up that now supply their families.

Stop the Railway Cars, and our Grain would lay in the fields and Shipping cease to come to our Wharves and our Merchants that have felt the influence of Three Hundred and Forty Ships, that have fitted out in this port the last year, would have closed their business and gone where business could be found.

The value of Twenty Millions Dollars of Grain exported, and Ten Million Dollars Freight money handled, and Ten Millions of Dollars more of Wool and Wines by Ship and Rail the past year is owing to the facility offered by our Railroads, and for these Benefits, we should render a just meed of praise instead of a continual war of foul charges that can never accomplish any good, but only evil, while as we advise a manly, friendly, and just conference with the Railroad Managers would secure a Union of efforts and sympathy which would redound to the highest prosperity of our State and the people.

(More anon.)

BAGS AND BAG MANUFACTORIES.

There has been much said and written upon the Grain Bag Interest among our Farmers, and in our Farmers' Clubs, and among Importers and Dealers, and we have been informed of large purchases which were made by a Combination of Farmers from Sonoma, which when the cost of their time and travel should be justly estimated. We are confident it was a dear purchase. "Every one to his Trade" is a good motto, and if we are rightly informed, and we had it from good authority, their purchase of both Bags and Bagging could have been made in two days afterwards, at 10 to 12 per cent. less, besides the loss of their time and expenses. We have read of several efforts like this to defeat what is called "Monopolists" and "Rings" which have all resulted in a Loss like the one named.

In gathering items of Bags and Bag Making recently, we visited the Manufactory of Messrs. Neville & Co., on Clay street, below Davis. This is the largest and most complete Establishment of the kind in our City, from 20 to 40 workmen are employed as business demands, the Warehouse and Factory extends from Clay through to Sacramento, and contains the largest and best Stock of Bags and Bagging material to be found in our city, the Factory contains the best machines for Bag making, and has the best workmen to operate them that can be found, the number of Bags made and sold count in the season by millions, in fact this Firm do the largest business of any Bag Factory on this Coast, unless we except the Manufactory at Clinton, formerly the "Colton Factory."

This Firm have also a large Warehouse near by where their Importations and Manufactures are stored for wholesale in large bales, by which means they are enabled to supply any order for "Grain Bags," or "Flour Sacks" from One to One Hundred Thousand, in quicker time probably than any other Manufactory in our city, for this reason, and our knowledge of their facilities, and their prompt manner in executing all orders, we can cheerfully commend Messrs. Neville & Co. to the Farmers of our State, who want Bags or Bagging.

Philadelphia ranks first among the manufacturing cities of Union. It contains 2,339 manufacturing establishments, employing a capital in machinery alone of \$100,000,000.

FISH BROS. & HUGGINS
"PACIFIC WAGONS,"FARM, THIMBLE SKIRM, IRON AXLE FARM
QUARTZ, AND HEADER WAGONS, AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

G. A. DAVIS, Agent.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glenn, Geo. W. Hoag, Gumpston Bros, Jacinto; Hill & Knapp, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Balbach & Co., Agents for San Jose; Smith & Baxter, Agents for Gilroy; S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. J. Case & Co. 48-inch Cylinder Threshers. 39, 13

NEW
AGRICULTURAL
WAREHOUSE.

The undersigned take pleasure in calling attention of the Farmers and Cultivators of the Soil in all departments of Agriculture to the "Great Sacramento Valley," and the region around it to the Large Stock of

AGRICULTURAL IMPLEMENTS

which they are now opening in the Spacious Warehouse on J STREET, SACRAMENTO, formerly occupied by Treadwell & Co

It will be the aim of the undersigned to offer the Largest and Best Stock of Harvest Implements and other Goods shown in this section of the State, and to offer no Implements but the Best, and endeavor to give satisfaction to every Customer and Patron of our House.

We offer the following:

EXCELSIOR MOWER

MOWER AND REAPER COMBINED,
IRON FRAMES!SIX HUNDRED SOLD IN THIS STATE DURING
LAST SEASON.It also took the First Premium in this State at the
State Fair of 1872.

This truly celebrated Iron Frame Machine stands as far ahead of all others (the BUCKEYE included) as science, skill and careful study can reach with improvements. Farmers in every section of this State give the preference to THE EXCELSIOR over all other machines on account of Cheapness, LIGHTNESS OF DRAFT, being better adapted to California work, and from its simplicity does not get out of order.

The Hay and Grain Harvest will open early this year. Examine carefully and purchase wisely.

The Excelsior Side Rake and Excelsior
Dropper.EVERY MACHINE WARRANTED,
OR THE MONEY REFUNDED.

Genuine Haines Header, Improved for 1873. Huber Reaping Rakes, simple and effective in their work. Wheel Rakes, Hand Rakes and Forks. Every description of Agricultural Implements. Merritt & Fell's Traction Engine, and The Vibrator Threshing Machine, the Cheapest and Best Machine in the world.

The Famed BRASS BEARING WAGON, now becoming very celebrated as one of the best yet offered, and promising to supersede many kinds now sold.

This excellent invention is known as Clapp's Brass Bearing Wagon, the axle being shielded with brass plates runs easier and with less friction than any wagon known.

We also offer other Wagons of the best make of Iron Axles.

Merritt & Kellogg's Self Propelling Threshing Engines, one of the Best Inventions of the age.

THE JOHN DEERE MOLINE PLOWS.

This Plow has become justly celebrated over the whole United States as one of the Best Plows known, also The Col's Plow (Smith's Patent). Gresham's Broadcast Seeder and Cultivator, a very popular implement.

We invite special attention to the immense Stock of Implements we are now opening, as we mean to suit all our Customers for all their implements.

EXTRAS—Always a full supply on hand cheap, but fewer needed for the Excelsior than any other machine.

KELLER & CO.,
43, 45 and 47 J Street, bet. 2d and 3d,
Importers and Dealers in Agricultural Implements.

39, 11

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill. receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes—there is one essential *Pro equite* that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

TEN THOUSAND

Of the best Agricultural Papers known, comprising our various Agricultural Exchanges from all the Eastern States and Europe. Farmers who would like the valuable reading matter, which contain choice Essays and Letters on Agricultural matters can have these at low rates by the Hundred or Thousand. Apply at FARMER OFFICE

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

108 & 110 Front street and

12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers,
Sweepstakes Threshers

ROLLINGSWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,
all sizes from 7 to 18 inches.The DEERE PLOW is far Superior to all other
Steel Plows.Burdick's National Hay Cutter
for Simplicity, Durability and Rapid Cutting is
not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel
PLOWS from 7 to 20 inches.BOSTON OLIPPER PLOWS, all sizes,
PEORIA PREMIUM PLOWS, all sizes,CAST IRON PLOWS, all sizes,
CAST IRON SIDE HILL PLOWS,"MILLER'S" PATENT CAST STEEL SIDE
HILL PLOW, it has no equal, all sizes,
SHOVEL PLOWS, Single and Double.Also a Full Stock of Plows, Harrows, Cultivators, Horse
Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO.,
108 & 110 FRONT STREET,
38, 3 SAN FRANCISCO.

TO GRAIN, COTTON AND
WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments, only charging interest at the rate of 6 per cent. per annum. Freight at the chartered price paid the ship, Insurance and other charges at the lowest rate obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

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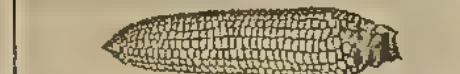
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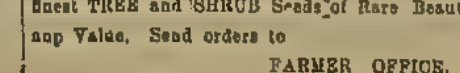
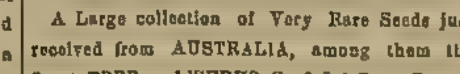
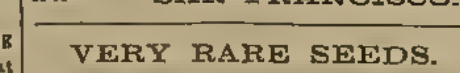
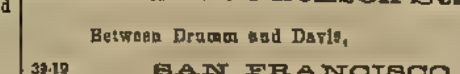
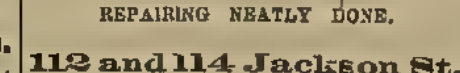
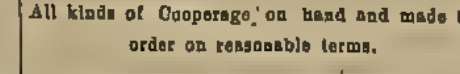
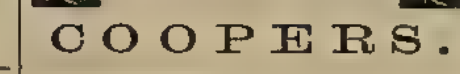
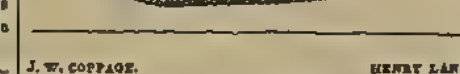
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Home Miscellany.



FOR HUSBANDS AND WIVES.

(Madam, put this in your husband's watch-case.)

Speak kindly, gently, to thy wife,
She knows enough of sorrow,
Oh, seek not from each petty ill
An angry word to borrow.
For in her heart there's treasured love;
Oh, prize the golden word—
One gentle word, one smile of thine
Can ever call it forth.

When thou art harsh, and stern and cold,
And from thy own dear home
The sunshine of domestic love
In sorrow seeks to roam,
Upon her heart thy cold words fall,
And chill her tender life,
Then, oh, amid thy trials all,
Speak kindly to thy wife.

Speak softly, kindly to thy wife;
She may have left a home
Of cherished love, and to thine own
But scarce as fair have come.
Though five or ten have told thee this,
And thou hast scorned its strife—
When'er thy footsteps homeward turn,
Speak kindly to thy wife.

Speak kindly, gently, to thy wife,
She may be growing old,
And soon ye both may garnered be,
In shadows of the mold.

(Sir, put this in your wife's mirror.)

Have faith in thy husband, and confide in his vow;
Should he speak unkindly be true to him now;
Though e'en in thy anguish thy bright hopes are dim,
Whate'er awaits thee, be faithful to him.

Have faith in thy husband, nor seek from thy home
A balm for the sorrow which sometimes may come;
Mid all thy devotion trust not in another;
But learn to have faith and be kind to each other.

Have faith in thy husband, thy own home within,
Whate'er be his coldness, true kindness may win;
Though e'en in sorrow thy fond hopes are dim,
Yet still he may love thee, be faithful to him.

HUNGERING HEARTS.

Some hearts go hungering through the world,
And never find the love they seek;
Some lips with pride or scorn are curled
To hide the pain they may not speak.
The eyes may flash, the mouth may smile,
The voice in gladness may be shrill,
And yet beneath them all the while
The hungry heart is pining still.

These know their doom, and walk their way
With level steps and steady eyes,
Nor strive with fate, nor weep, nor pray—
While others, not so sadly wise,
Are mocked by phantasms evermore,
And tormented by remembrance of their
Fair to the eye, but at the core
Holding but bitter dust and blight.

I see them gaze from window eyes;
I mark their eyes on falling cheeks,
I hear their breaths in smothered sighs,
And note the grief that never speaks,
For them no night of rest is wrong,
No eye with pity is implored;
Oh! I misinterpreted long,
Oh! I heartily hunger through the world!

For you deem life's dull desert hold
No fountain's shade, no date grove fair,
Nor gush of waters clear and cold,
But sandy reaches wide and bare,
The foot may fall, the soul may faint,
And weigh to earth the weary frame,
Yet still ye make no weak complaint,
And speak no word of grief or blame.

Oh, eager eyes which gaze afar!
Oh, arms which clasp the empty air!
Not all unmarked your sorrows are,
Not all unwept your days are;
Smile, patient lips as proudly dumb—
When life's frail tent at last is hurled,
Your glorious recompense shall come,
Oh, hearts that hunger through the world!

—Ferry's Weekly Press.

RIPENING FOR DEATH.

No one, says Von Humboldt, can fear death less than I do; neither am I much attached to life, but I have never known the feeling of an anxious longing for death; and although it be a cooler one than that of an absolute weariness of existence, it is nevertheless blamable. Life must first, for as long a period as Providence will it, be enjoyed or suffered—in one word, gone through, and that with a full comprehension, without murmuring, lamenting or repining. There is one important law of nature which we should never lose sight of—I mean that of the ripening for death. Death is not a break in existence, it is but an intermediate circumstance—a transition from one form of our finite existence to another. The moment of maturity for death cannot be decided by any human wisdom or inward feeling, and to attempt to do so would be nothing better than the vain madness of human pride. That decision can only be made by Him who can at once look back through our whole career, and both reason and duty require that we should leave the hour to Him, and never rebel against His decrees by a single word. The first and most important thing is to learn to master ourselves, and to throw ourselves with peaceful confidence on Him who never changes, looking on every situation, whether pleasant or otherwise, as a source from which our interior existence and individual character may draw increasing strength; and hence springs that entire submission which few attain to, though all fancy they feel it.

THAT BLACK SILK DRESS.

(Concluded from last week.)

CHAPTER II.

Sunday morning was clear, and, therefore, as I had anticipated, Jack was inclined to go to church.

So he said to me:

"Your new bonnet, my love let me see it?"

"Wait until I have put on my dress and have everything fixed," I said. "You would never like it, if I were to try it on now, with this old purple wrapper on. But fix yourself nicely, for you shan't walk with me unless you look smart also."

This I said, because feeling my course to be somewhat weak, I thought to make amends by assuming an extremely confident air. Jack was imposed upon. He concluded my bonnet must be beautiful, and so set himself diligently to the task of rendering himself fit to walk by the side of so elegant a personage.

At last, when all was ready, I took the bonnet from my trunk and put it on.

"Lovely," cried Jack; "better even than your last winter's—though—a well—let's not it a good deal like your last winter's? That was nice, and this is nice too."

"Like my last winter's bonnet! Why I am astonished; that is about as much as you men know!"

"Well, well," said my discomfited lord, "I observed it was nice, as the other was, put it becomes you, and that is the main thing. It must have cost at least fifteen dollars, and that makes quite a hole in the sixty I gave you for little necessities for the Fall. You ought, indeed, to have had six hundred, but you know my love, you sacrificed a great deal in marrying a poor man. You ought to have a handsome silk to wear with that bonnet, but it will be a long, long time before I will be able to give you a silk."

"There are other things more important than silks," I answered, with the wisdom of an owl.

"Oh, yes my dear. Some women would insist on my giving them a silk whether I could afford it or no, but you are not one of that kind; you have more sense."

"But I'll tell you what," he continued, after a pause, "you seem to spend your money so judiciously that I will give you ten more, I will give it to you at once, for fear I should spend it."

And he handed it over on the spot.

All this while I had been putting on my gloves, which were a little too small, but which made my hands look all the smaller. Jack was hunting up his prayer book, and both of these tasks being accomplished, we started off.

On Monday morning, encouraged by the success of the day previous, I dived into the bottom of my trunk, and took out the silk. Certainly it was an excellent thing to have; and then I looked at the ten dollar bill.

Just enough to get a nice trimming.

And then I thought profoundly.

I took out the list of necessary articles I had made, and looked it over. Boots, slippers, gloves, handkerchiefs, cuffs, collars, neckties, stockings, a new morning dress, a new mobair, a new bonnet.

I began a review from the bottom of the list. The fifteen dollars allotted to the purchase of a new bonnet had been saved. A new mobair. Suppose I remade last year's, as I had done the bonnet.

Induced with the idea, I seized it, turned it up and down, I would, indeed, I would.

This year, I would wear it wrong side out, and carefully smoothed, no one would know the difference.

Then came up the wrapper question.

I had thought it would be nice to have a new wrapper, but on examination found that the one I already had would look well for at least a season longer.

Finally, and to make a long story short, I thought on consideration that each minor article might be dispensed with by a longer and more careful wear of what I already had, and encouraged by my first success, I said:

"I will try."

And I did.

No one knows, no one ever can know the amount of toil and patient labor which I underwent. How gradually I accomplished all.

To remake that mobair, and in the making, save a dressmaker's bill.

It cost me two headaches, and one crying spell, which was nearly overheard by Miss Triggs, who listened at my door half her time.

But then it was done, and Jack was as completely taken in as he was on the bonnet question. That was my reward.

Mind: I did not say it was new.

He, like a silly man, said:

"Oh, what a nice new mobair!"

And I said:

"Do you like it? Then I am satisfied."

Finally, I made the silk. After superhuman struggles it was done.

The little extras, such as the money for lining, buttons, and the like, I gradually obtained from my better half, by various devices, chief of which was by making myself so pleasant, that he agreed to almost anything I said, and several two-dollar bills, I obtained, by reading him stories in the evening, instead of going to the theatre.

And then when the dress was completely finished, I told him all, knowing for a surety that he would not scold; and he did not.

Delighted, he said:

"You are the smartest prettiest woman, I ever saw."

"Smart enough to cheat you," I answered.

"But tell me the truth. Wouldn't you have scolded, if I had told you at the time,

Of course, I should," but he added thoughtfully, "you didn't spend any more; you only spent in a different way; you saved on little things."

"Precisely. I did not ask you for any more, did I?"

"No."

"If I had, you would have been cross wouldn't you?"

"Yes."

After this I had a new silk every Spring and Fall.

Miss Triggs was shocked, and said, "I would ruin my husband, and that we quarrelled dreadfully."

But, then, I did not care for Miss Triggs.

THE QUESTION OF WOMAN'S DRESS.

Perhaps there is not a more vexed question extant than that of, How shall a woman be clothed? The nature of orons, the Republic of Spain, the future of France, the "International" problem, the narrow or wide gauge of our railroads, the "descent of man," and the end of the world, are not more bothersome problems to deal with. All the doctors say, and everybody agrees, that the prevailing fashion is absurd and insane; but, the moment any one undertakes to dress herself unfashionably—"did you ever?" One of our intelligent transatlantic correspondents expresses the many sentiments of many troubled minds on this subject:

Editor of Science or Health.—You will greatly oblige me by answering in your 'Talks with the Correspondents,' those few questions following, on the subject of Dr. Dodd's Essay, entitled 'The Penalties of Fashion.' I am one of those Englishwomen occupied in the attempt to improve the condition of the 'weaker' sex; and of the dependence of Mind upon Body, that I feel it a really ridiculous thing to attempt any education of the brain, without having previously so freed the bodily system from artificial restraint, as to permit the healthy action of the entire organization. By theory and practice, I am a vegetarian; and, although I find since I accomplished my reform in diet, that I have achieved far greater spirituality of thought than I possessed in my carnivorous days, I am still aware that much remains to be done in the way of dress. I observe that Mrs. Dodd bids women—'see to it that they wear just as many thicknesses of clothing—no more—on your limbs as on your hips.'

"Now, I wish to ask the writer of this advice, how she proposes that women are to accomplish such a desirable state of things. I have often tried to design some sort of dress for women which should be at once healthful, durable, and beautiful. But I have never yet succeeded in the attempt.

"Will Dr. Dodd favor inquirers like myself, with a brief description or sketch of the kind of dress she recommends for her sex. Women will never widely adopt any costume which does not satisfy æsthetic requirements; and it is, therefore, useless to introduce the 'trouser' question. I know several ladies who, like myself, avoid with horror corsets, crinolines, and high heels; but who, nevertheless, would make a resolute stand against anything so ungraceful as the present masculine mode of attire.

Will you, or some one of your contributors, endeavor to meet the difficulty, and to combine the demands of health with those of beauty?"

Some hundreds of American women have studied this subject for ten or twenty years, without being able to offer a costume to women that is generally acceptable, or that all "Dress Reformers" can unite in endorsing. And we suspect that the "æsthetic taste" will have to be educated more in conformity with nature before use and health will be regarded as beautiful.

But there is one broad platform on which all women who are in earnest in seeking a better style of dress can stand, as a beginning of the needed reformation, leaving the minor matters of longer or shorter skirts, trousers or petticoats, to the developments of the future.

They can all abandon the accursed corsets. They can all have their dresses loose and free at the waist. They can all have the skirt short enough not to drag in the mud when it rains, and raise the dust when it is dry. They can all suspend their clothes from the shoulders, and thus unload the hips. They can all wear warm stockings, and thick shoes with low heels. These things are not difficult for any one to do in any place, without stirring up the indignation of the street rowdies and the Paris fashion-makers. When they have achieved these little reformations, we may be able to see more clearly just how the coming woman should dress.—Science of Health.

LET PARENTS THINK OF THIS.

Boxing the ears, tends to dull the sensibility of the nerve, even if it does not hurt the membrane. I knew a pitiful case, once, of a poor youth who died from a terrible disease of the ear. He had had a discharge from it since he was a child. Of course, his hearing had been dull; and what had happened was that his father had boxed his ear for insubordination. Most likely that boxing of the ear, diseased as it was, had much to do with his dying. And this brings me to the second point. Children should not be blamed for being inattentive, until it has been found out whether they are not a little deaf. This is easily done by placing them at a few yards' distance, and trying whether they can understand what is said to them in rather a low tone of voice. Each ear should be tried, while the other is stopped by the finger. I do not say that children are never guilty of insubordination, especially to that which they do not particularly wish to hear; but I do say that very many children are blamed and punished for insubordination when they really do not hear. Three things should be remembered here: 1. That slight degrees of deafness, often lasting only for time, are very common among children, especially during or after colds. 2. That a slight deafness, which does not prevent a person from hearing when he is expected to be spoken to, will make him very dull to what he is not expecting; and 3. That there is a kind of deafness in which a person can hear pretty well while listening, but is really very hard of hearing when not listening.—Dr. Binion.

Always avoid the company in which you are willing to tell a coarse jest, because for you it is a demoralizing company. Grossness is a more humorous, profanity is never admirable; and if your manner and speech once begin to travel out on that edge all its manliness and charms are in danger.

OUR SPHERES.

BY A LADY SUBSCRIBER.

There is, according to my idea, a particular place, with a peculiar work in life, for each one; and if we from any cause whatever do not perform that work we fall to accomplish that for which we were created; and unto such can God say "Well done, good and faithful servant?" Our Father, and being infinitely wise, never makes a mistake, and if we disregard His requirements we must suffer the consequences. There are many, very many, low and humble spheres that must be filled; and if it falls to my lot or yours shall we complain or utterly refuse because the work does not suit our taste? A young lady said to me a few days since: "Oh! if I could only do something great and noble—something to win a name that would live on after I am no more, I should then love to work. Had I money at my command I would erect charitable institutions, found colleges, feed and clothe the poor, and all the world should know and honor me for my kindness and generosity. If I had knowledge sufficient, I would be a teacher. I would lead my pupils into paths of virtue and peace, and from them win for myself an affection lasting as eternity, and forth into the world would send noble men and women, qualified to fill any station. Could I write I would make books so attractive and useful, that all should read and be benefited by them. Oh!" she cried, while her voice trembled with agitation and her eyes brightened in her enthusiasm. "If I could in some way be a blessing to the world, how glorious it would be to live, but my sphere is so limited. Was not I created for more than this? I cannot let my life end with no memorable thing accomplished."

As she was an intimate acquaintance of mine I knew her to be the pride and joy of her father, the main dependence of her mother, the able and willing counsellor of her younger brothers and sisters, and a Christian whom many regarded as a true and loving friend. So I replied to her, "My dear child, you talk at random. You surely have not rightly considered this matter. Who in all this world could take your place and fill it so satisfactorily as you? On whom could your mother lean so confidently, or depend so entirely as she does on you? Some one was required to care for your mother in her declining health, to guide your little brothers and sisters in the paths of virtue and knowledge, and so God thought of you and permitted you to come into the world to occupy this place and only this: Oh! Annie, does not God watch over you hourly, and keep you for His own wise purpose? Does he not know what you are capable of doing and what are your opportunities?" and with many other words did I entreat her to labor on faithfully, leaving the result in the hands of God; assuring her that at least she would be rewarded with a far more glorious reward than an earthly name.

There are many others who, like Annie, are ambitious to do some great work, that are overlooking their daily tasks, waiting and longing for the opportunity to come for them to begin their grand career. And to such let me say that time never will come. If such a destiny is yours you must make your way to it by patient, persevering efforts, beginning in a small way and working steadily upward. But to many such, the goal will never be reached; for their path lies in another direction. Christians, or those claiming to be such, are too much in the habit of grumbling and complaining about their lot in life, and yet they pretend to trust in God for all things and acknowledge all the things as coming from him. Do they really believe this? Then they must certainly think He has made a mistake or that they are wiser than He. If we faithfully fill our station in life, improve every opportunity, and earnestly strive to excel we are surely not far from the right way. We have grown so accustomed to reading, slugging, and hearing the words, "There is work for all to do," that they have grown meaningless, and few realize the great truth contained in them; or if we do see, and feel their force, how few act accordingly. We are so apt to do as others do; to take other finite beings for our example; and then excuse ourselves because they do so; that we are all travelling in the same worn track, and self is always uppermost in our minds. Selfish and willful, we make ourselves unhappy and our pathway is strewn with thorns, many times the results of disobedience, where flowers should bloom therein. We do not get half the pleasure life affords, and far more bitterness than was ever intended for us. While it is true that many are needed for posts of honor—teachers, writers, and philanthropists—it is also true that many more are needed for humbler spheres, gentle wives and loving mothers. Shall it be for us to decide which one shall be, or does God not have a hand in it? If we have the requisite qualifications for a particular place, God will open the way for our advancement; but if we are not willing to labor and wait. There is one thing we all should and must do if we desire happiness; and that is, cultivate a contented disposition. Oh, let us rise from our lethargy and walk in the path of duty cheerfully striving to obey our heavenly Father laboring honestly and willingly, and we will certainly be blessed. We should be thankful that we are permitted to live in this beautiful world, and express our thankfulness by living cheerful, useful lives, and wherever we are placed, and whatever surrounds us, let us think that these are just the things we need to fit us for what is in the future, and therefore to us unknown, and let us be content therewith.—Walt, in *Demorest's Monthly Magazine*.

A wise father and pure mother, if they have secured the confidence of their children—and this can only be secured by intimacy, need not fear rule. Youthful idleness will never be prolonged into vice, for the least action on the part of the offspring will be no sooner committed than imparted to the parent, who will thus be able to check youthful imprudence and interpret his own of a single impropriety and the reformation of a vicious habit. Many a youth who has been lost might have been saved if parents had cultivated a greater intimacy with children.

MEN THAT WOMEN LIKE BEST.

We know that men naturally shrink from the attempt to obtain companions who are their superiors; but they will find that really intelligent women, who possess the most desirable qualities, are uniformly modest, and hold their charms in modest estimation. What such women most admire is gallantry; not the gallantry of coarseness and force, but boldness, courage, devotion and refined civility. A man's bearing wins the superior woman where his boots and brains win one.

If a man stood before a woman with respect for himself and fearlessness of her, his suit is half won. The man safely be left to the parties more interested. Therefore never be afraid of a woman. Women are the most harlequin and agreeable creatures in the world is a man who shows that he has got a man's soul in him. If you have not got the spirit to come up to the test life this you have not got that in you which most pleases a high-souled woman, and you will be obliged to console yourself with the simple girl, who in a quiet way, is endeavoring to attract and fasten you. But don't be in a hurry about the matter. It isn't creditable to you. Especially don't imagine that any disappointment in love which takes place before you are twenty-one years old will be of any material consequence to you.

The truth is that before a man is twenty-five years old he does not know what he wants himself. So don't be in a hurry. The more of a man you become and the more manliness you become capable of exhibiting in your association with women, the better wife you will be able to obtain; and one year's possession of the heart and hand of a really noble specimen of her sex is worth a hundred and ninety-nine years' possession of a sweet creature with two ideas in her head and nothing now to say about either of them. So don't be in a hurry, we say again. You don't want a wife now, and you have no idea of the kind of a wife you will want by-and-by. Go into female society if you can find that which will improve you, but not otherwise.

AMERICAN HABITS.

We are a greedy people. From the pork-fat of New England to the ham fat of the South, we wallow in greasy food. This becomes rancid in the stomach, and superinduces what Dr. Urquhart pronounces the surest ail disease—dyspepsia. We drink tea that would frighten a Chinaman, and coffee that would serve as an antidote to opium. We pour down doses of alcoholic fluids, which eat into the coatings of our intestines, and destroy the gastric juices. We go to bed overladen, body and mind, sleep with sluggish blood in a state of stagnation, and get up only when the broad sun is staring in angrily at us through our bed room windows. We are reckless in our pursuit of pleasure; we strain our mental powers to their utmost tension; and end, old men and women before our time, or die, or fill a cell in an insane asylum.

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Miscellany.

THE MISSING LEAF.

BY T. THOMAS ALDER.

By chance, in the dusty old library foraging,
 Seeking some food for my fancy, I drew
 From its shelf a stout volume, entitled "The Origin
 And End of Creation" (a sort of review
 Of the Works of the Lord, by a confident critic).
 "Now here should be something," I said, "that's worth
 saving—
 Profound, philosophical, learned, analytical—
 Just what my insatiable soul had been craving.

I bore the risk prize to a nook by the window,
 And revealed straightway in the fire of the eyes—
 Chances, Perils, Roman, Greek, Hebrew and Hindoo,
 With modern resources to its ultimate stages;
 All which, to what followed, was but the musician's
 Light touches to see if his strings were in tune, a verse
 Used by the wizard to conjure his visions;
 Thus opened the writer's grand scheme of the universe.

He held the round world in his hand like a watch,
 With the sun and the stars and the chain and the seal;
 Showed the cases of gold and of crystal, the arch
 Where the thing was wound up, pivot, main-spring and
 wheel,
 And—in a short, you'd have fancied, his knowledge was such,
 He could take it to pieces and put it together,
 And set it going again with a touch
 Of just the right oil from his cruet in leather!

I read and read on, by divine curiosity
 Pured, in pursuit of one still missing page,
 One leaf, to redeem his portentous verbiage.
 Then—Well! I just flung down the book in a rage;
 Through the window, and into the garden I sprang,
 For screams of red roses and jasmies between us,
 And cooled my hot brow and my anger among
 The dear little lilies and plinks and verbenas.

The martins that flew to their summer-house door,
 The voluble fancies their little ones feeding,
 The snail with his back on his back, taught me more
 Than all the pedantic stuff I'd been reading.
 The river moved by without ripple or whirl,
 The world in its bosom, a wondrous illusion!
 And even the slow kitchen smoke's upward curl
 Hinted beauties beyond my great author's solution.

A spider was weaving his net by the stream;
 And in the thin gossamer's light agitation
 I saw my philosopher floundering his scheme
 Before the vast, mystical web of creation!
 I watched the still swim on the water aloft,
 The slaty birches bowed over the glass,
 Their white limbs reflected, the boys in their boat,
 The coils on the bank, fellow-deep in grass.

I heard, over hay-fields and clover-lands wafted,
 The lowing of kine; and so cool was the breeze
 Of the breeze on my temples—thine, as I quaffed it,
 So sweet to my sense—that more breathing was bliss!
 And I cried, "Who can say how this life has its being,
 How landscape and sky with delight overfill me,
 Why sound should enchant; how these eyes have their seeing?
 How passion and rapture exult and thrill me!"

"I prize the best pebble your science can bring,
 Or whispering shell, from the shore of life's ocean;
 No word the true prophet or poet may say,
 But deep in my heart a true responsive emotion.
 Yet who can tell aught of this afternoon glory,
 This light and this ether, this wave and this clover!
 Not a syllable haphazard of the marvelous story,
 In all your able hundred dailies and over!"

"What maddens to my lifelines these fumes and these features,
 This tangible form to the form dim within it!
 Bright robes around daily and nightly by Keturah's
 Lavish apices, that ceaselessly spin it,
 Marked with fiber and milk-dew filament,
 The pulse's soft shuttle mysteriously weaving
 From dust and corruption a living habitation;
 Oldest of miracles, still past believing!"

"And you—did you fancy that you could unfold it,
 And label it, in your store of fallacies?
 While first in the grasp of your reason you held it,
 To fling it, to drive your most subtle analysis!
 There's something that will not be measured and weighed
 And brought to the test of your last sublimation;
 And this is the little mistake that you made,
 That you left it quite out of your grand calculation.

"Though other than b'gots have deemed, the Creator
 Is not the blind physical forces you believe him;
 Not law, O, be sure, but unspeakably greater,
 Than creeds have proclaimed, or than sages conceived him!
 This sky-lit world was all built by his law;
 Yet only from perfect foreknowledge and pain
 The crystalline march arose without flaw,
 And life through all forms directed upward to man.

"Though in their beginning all things became one end,
 Through all, over all, flows the formative God;
 In each particle thrills the Divine Omnipotence,
 As gravity binds and embraces the whole.
 Of nothing comes nothing; spring rise not above
 Their source in the fathomless heart of the mountain;
 Whence then have descended the Wisdom and Love
 That in man leap to light in intelligent fountains!"

So, bathed in the sunset, I stood by the stream,
 With a heart full of joy and devout adoration,
 Enveloped in my mystery, dreaming my dream,
 Till my soul seemed dissolved to the Soul of Creation.
 I looked, and saw wonder on wonder without,
 And looking within, beheld wonder on wonder,
 And I trembled between, like the swan floating out,
 With one sky arched above and one sky imaged under!
 —Atlantic Monthly for June.

Smiles are among the cheapest and richest luxuries
 of life. We do not mean the mere retraction of the
 lips, and the exhibition of two rows of masterpieces—
 molars, hyenas, and the like amenities are profuse in
 that. We do not mean the cold, formal smile of po-
 liteness, that plays over the features like moonlight on
 a glacier—atomizations and villaines can do that; but we
 mean the real genuine smile that breaks right out of
 the heart, like a sun-beam out of a cloud, and lights up
 the whole face, and shines straight into another heart
 that loves it or needs it.

The only way to meet affliction is to pass through it
 solemnly, slowly, with humanity and faith, as the
 Israelites passed through the sea. Then its very waves
 of misery will divide, and become to us a wall on the
 right side and on the left, until the gulf narrows before
 our eyes, and we land safe on the opposite shore.

Universal love is a glove without fingers, which fits all
 hands alike, and none closely; but true affection is like
 a glove with fingers, which fits one hand only, and sits
 close to that one.

A teacher, catechizing his scholars, put the fol-
 lowing question: "What was made to give light
 into the world?" "Matches!" cried one of the
 youngsters, after a short pause.

CHEERFULNESS.

James T. Fields, in a recent lecture on "Cheerfulness,"
 remarked that it was difficult to make Americans look
 happy. They might be exceedingly joyful, but no one
 could find it out. And especially was this the case in
 their public assemblies. He told of one town in New
 England where they tried to get up a little liveliness by
 employing a retired minister to deliver a series of lec-
 tures on "Mourning," the proceeds to be appropriated
 to buying a new town-house. But nothing came of it;
 the people were as grave and solemn as ever. It is hard
 to make an American audience gay. One hears no
 "chaffing" or fun in a street crowd in our cities. No
 one doubts all this; the only difference of opinion is in
 regard to the cause, and if there was no other reason
 for our national lugubriousness the daily papers would
 furnish a sufficient one. What horrors meet our eyes
 every morning in these sheets! Murders, accidents,
 suicides, and outrages are among the records of our pri-
 vate life, while investigations on every side show that
 there is something very green or rotten in our official
 systems. What then? Must we be good in order to be
 happy? How hard the task and how remote the reward
 Let us then begin at the other end, and be happy that
 we may be good. Jolly fellows seldom commit crime.
 Let us be gay. Let us make our literature cheerful and
 our songs lively. Let our artists paint in the sun, that
 their hearts and their subjects may be bright. Why
 should we not laugh? Have we not peace and prosper-
 ity, and the Yosemite and half of the Niagara, and is
 not England to pay us our claims? Let us be merry!—
Health's College Journal.

THE IDLER.

The idle man is an annoyance—a nuisance. He is of
 no benefit to anybody. He is an intruder in the busy
 thoroughfare of every-day life. He stands in our path,
 and we push him contemptuously aside. He is of no ad-
 vantage to anybody. He annoys busy men. He makes
 them unhappy. He is a nuisance in society. He may
 have an income to support him in idleness, or he may
 "sponge" on his good-natured friends. But in either
 case he is a nuisance. Young men! do something in this
 busy, bustling, wide-awake world! Move about for the
 benefit of mankind, if not for yourself. Do not be idle.
 Get a good education and then go to work.

OUR FUTURE.

In how great a measure is one's future made up of
 one's past! How we see and understand things by all
 those which have preceded them! How it is yesterday
 which makes to-morrow! The future is never so strange
 as we picture it to ourselves. A hundred golden threads
 lead us to it, already. It is one's own past life which
 claims the future and draws it into itself. The lesson
 given long, long ago, by the love which foresees, teaches
 us in after years when the occasion has come. One thing
 recalls another, as one thing forebodes another; some-
 times the two together make a full chord of happiness,
 or, may-be, of sadness, so grateful and so sweet that it
 seems as if it must be happiness.

SELECTIONS.

Are those bells ringing for fire? Inquired Simon of
 Tiberias. "No indeed," answered Tibe, "they are got
 plenty of fire, and do bells ring for water?"

A quarrelsome couple were discussing the subject of
 epitaphs and tombstones and the husband said:—
 "My dear, what kind of a stone do you suppose they
 will give me when I die?"
 "Dismstone, my love!" was the affectionate reply.

A city fop who was taking an airing in the country,
 tried to amuse himself by quizzing an old farmer about
 his bald head, but was extinguished by the old man,
 who solemnly remarked: "Young man, when my head
 gets as soft as yours, I can raise hair to sell."

The following note, written to a schoolmate by a girl
 who had been absent several days, illustrates the sweet
 simplicity of childhood: "Dear Sula: I shan't attend
 school again until I get some new cuffs, collars, and rib-
 bons. Dear mamma agrees with me that it is my duty
 to take the shine out of that upstart, Mary Jones; and
 I'll do it, if I never learn nothing."

A soldier was going off the field too hastily,
 when the provost-guard cried—
 "Halt!"
 "Can't!"
 "Wounded?"
 "No."
 "What's the matter?"
 "I am scared, and want to go to the rear lo-
 rally!"

"What are you about my dear?" said his
 grandmother to a little boy who was idling about
 the room, and casting furtive glances at a gentle-
 man who was paying a visit. "I am trying to
 steal papa's hat out of the room without letting
 the gentleman see it, for papa wants him to think
 he's out."

Two Yankee ladies are piling up fortunes by the ex-
 ercise of their inventive and business genius. One has
 refused \$50,000 for the patent of a new paper bag, and
 another has patented a new self-fastening button,
 which needs no button-hole. This last invention will
 be hailed by suffering, buttonless male humanity with
 gratification, and the buttons will be eagerly sought for.

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Home Correspondence.

TOBACCO AND THE GREAT NEW CANON.

We are permitted to make the following extracts from a private letter written by an Oakland Lady, now residing in the High Sierras.

For the better understanding of the region referred to, our readers will consult John Muir's article on the "Great Tooluome Canon" in the *Oversight Monthly* for August.

Yosemite Valley, July 11th, 1873.

We returned last night from the Great Tooluome Canon. Of all our party, I was the only one who had not been ill or disabled by the severe exertions, and I feel quite as fresh to-day as the ordinary tourist who comes in from the little trips around the Valley.

We were all lighter in flesh, but I am quite sure in my own case, what has been lost in quantity is made up in quality. I started two weeks ago to-day. Dr. Kellogg, Kelth, Muir and myself each well mounted, with Maudie and Alice to drive the two pack animals, and rejoin with the horses we rode.

Without a trail other than the one we made, the boys were to return for us in ten days, through some twelve miles of forest lying between the Yosemite Valley and the Tooluome, of which the summit of the divide between the latter and the Merced, Sunday morning Alice turned back with the guide and eight horses, and we moved on, each carrying his pack.

Muir had two pairs of blankets for two, weighed some sixty pounds. Kelth had a pack of blankets and a pack of meat, while Dr. Kellogg had the furnishing you remember in the "Great Tooluome Canon," except the pickaxe. My pack had my tin plant case (sheets of tin and paper), half a dozen pairs of stockings, (my pockets were filled with meat biscuits), my blanket (shawl) and the tin plant case which Kelth D. carried all through Europe and Palestine, containing the knives and spoons, tea, and some light provisions, about twenty-five pounds weight.

I wore a short skirt, and old velvet jacket, some heavy mountain shoes full of strong nails, and big hat. I carried a light, and wrapped my blanket shawl around my pack. In my leather belt, Alice's hatchet, my trowel, tin cup. Thus equipped in light marching-order, our party consisting of a Geologist, Botanist, and Artist, we commenced our explorations of the "Great Tooluome Canon" which Whiting and Clarence King like Moses had seen from afar but had not been permitted to enter. Our first camp was on the top of the divide, on a little spot of bare ground amid miles of snow, under a great Juniper tree. From a thicket of Williamson Spruce we got leathers for our bed, made skillfully as were most of our mountain beds by Dr. Kellogg. The night before when camped with the boys we had found that the storekeeper had by mistake put an extra bag of flour into the supplies instead of sugar. Muir insisted on going back on foot for the 12 mountain miles, making a slight walk of twenty-four, and with one accord we forbade him, little thinking what twelve days of mountaineering without sugar would be.

That Sunday night was indelibly glorious, all the Lyell groups, blue and a crimson field, and every tree glowing as if on fire.

SILK CULTURE.

EDITOR CALIFORNIA FARMER:—

Dear Sir—To-day I have the pleasure of sending you for another year's subscription to your worthy paper, the *California Farmer*.

Among the many articles of interest it contains, I have found the Editors of your Paris Correspondent very interesting and full of valuable information, and I can assure you that yours is the best posted Correspondent of whom I have ever read letters from the old country.

I intend, when I will be entirely through with my experiments on silkworm raising, for I have undertaken the raising of a new lot of worms (thanks to the large amount of leaves untouched) to send you a little report of this year's doings.

I believe, too, that I will be able to tell with more certainty what are the causes that led to disaster in silkworm raising in California up to this day.

Yours very truly, Felix Gillet.

[RECEIVED.]

We are always pleased to have our Journal, our laborer, and our Valued Correspondents appreciated; therefore we are gratified at the Complimentary notice of our esteemed Correspondent from Nevada.

We know our European Letters of a superior character, coming as they do from the highest source, we know, too, our European friend is worthy all that is said.

We shall be most happy to hear from Mr. Gillet, and receive his Valuable Treatise, it will do good to our State, and the Silk Interest.

Yours truly, E. E. Williamson.

SHEEP RAISING.

Stockton, July 22, 1873.

EDITOR CALIFORNIA FARMER:—

Dear Sir—As you always keep in store an unlimited supply of knowledge and Agricultural information, please oblige me by giving me an answer as to whether Sheep will thrive and do well on grazing where the grass is luxuriant and heavy, but is wet by dew and rain nine months of the year, (the remaining three months is dry like our California climate).

By doing so you will much oblige.

Yours truly, E. E. Williamson.

P. S. You may answer through the columns of your worthy Paper, or by Letter as you see fit, with as many of the details and particulars as you have the patience to go into.

This country I speak of is in the Coast Range Mountains, in the valley where they have heavy dew, and a light shower almost every day for nine months, keeping the grass wet, which I am told will not do for Sheep, as they should be kept dry, and fed on dry feed as much as possible.

I am about getting a Ranch of the above description, and breathlessly await your answer.

H. E. W.

CASHMERE GOATS.

While at San Jose recently we visited the stand of Messrs. Lewis & McCracken, in the Central Market, who are large raisers of the Cashmere Goat, and at their stand we saw the Kid meat, which is now just entered and valued among the most tender and delicious meats brought to market, and should be introduced into our markets generally.

The rapid increase of this class of animals is so great that they can be offered as cheap as Lamb meat, and by many they are esteemed much superior.

Messrs. Lewis & McCracken have a flock of about 1100 breeding Goats, and six splendid Foli Bloods. We noticed at their market, Lion Hens (cured and dressed) which had been killed at their "Goat Ranch" in the mountains. Mr. Lewis informed us that his men had killed five Lions in ten days—their skins sell at \$2.50 to \$3.50 each.

This Firm have also very handsome Goat Skins dressed for Males and for Bogy Robes, selling from \$3 to \$8 and \$10. Persons visiting San Jose should visit the Central Market and see these Robes.

SPLENDID MEXICAN SHEEP.

Purchasers of splendid Foli Blood Mexican Sheep should visit the stock yards of Sweeney & Co., and see the Bands of Sheep just imported by Solomon Jewett Jr., & Co., from the famed Vermont Stock.

The name of Jewett has long been identified with Merino Sheep of the highest quality.

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Eastern Correspondence.

CALIFORNIA BORNBY AND ARTISTS.

The Editorial correspondent of the *Blind* (N. Y. *Graphic*) then speaks of some of our California artists and scientist which he encountered on a recent trip to the Yosemite.

It affords no great pleasure to find an artist and geographer sketches of our State and our Artists and Workers as the following: "We give due credit to the *Blind* *Graphic*, which one spoken of here truly deserves all that is said of them."

—E. F.

CALIFORNIA WOOL MARKET AND STOCK.

(From the Report of E. Gillet & Co's Wool Exchange.)

SAN FRANCISCO, July 1st, 1873.

The market for wools throughout the season has been fairly active. Opening rates have been fully maintained, and on some descriptions there has been a slight advance, but without any excitement among buyers. A large part of the clip has been taken directly by Eastern manufacturers, who had sent orders here, after dislocation than ever before has been shown in wool selections. Wools of light condition, good staple, and free of burr, have met with ready sale; while short, heavy and defective wools, have accumulated.

The character of the clip this season is better than the average of several previous years. The condition is better, and the wools are generally put up with more care. The staple is strong, and longer than the average of 1872. There has also been a larger proportion of wools of fine growth. We have to note, however, a wider spread of the clip through the State.

The staple of many of the northern wools was rather short, on account of the late shearing in the fall, but the growth was good, and the condition light. Most of the wools from this season were sold as arrival. Southern wools showed an improvement in condition and length of staple, and contained fewer burrs, but in the manner of putting up the wools, there is little change, many lots having as heretofore been badly handled in the shearing.

Purchases for local accounts were small, and most of the whole came directly from the growers, were generally ready to meet the market on arrival. Stocks in the country, in the hands of growers who are unwilling to accept present rates, are considerable.

The receipts during the past six months (from January 1st to June 30th) comprised 47,136 bags and 853 bales. Of these, 32,831 bags, averaging 285 lbs, were received by railroad, bay and river steamers, and 15,095 bags averaging 322 lbs, from the South by steamer and vessel. Owing to the extension of the railroad less wool than in former years has been received by steamer.

There were received during January, 1873, 7,877 bags; February, 8,500; March, 8,776; April, 19,014; May, 23,451; and June, 2,548.

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THE CALIFORNIA FARMER.

Editor's Chair.

OUR PRESENT NUMBER.

We offer the readers of the Farmer this week, an unusual amount of reading matter, and we feel that we offer a most varied and interesting collection of articles, which will give our readers a most interesting and profitable perusal.

We offer a large number of Original Letters, which we feel confident will give all our kind Patrons pleasure and interest, as it is our great aim to offer only such matter as will tend to improve and elevate, we never place in our columns those subjects of a sensational character, which are only sought for by a morbid or depraved appetite.

Yosemite.—We are confident our Readers will read with more than ordinary pleasure and interest the Letters from Yosemite to which we allude in another place, and which comes to us from one of our most gifted Writers and one of our most honored Correspondents.

The subjects (this week) to which we would call special attention are those in our Home Department, first:

"Stay Leaves from Margaret's Journal." Here is offered a noble appeal for Woman, happily enforced by our "Declaration of Independence." Our accomplished Correspondent has placed this subject in its true light, and we believe the coming "Centennial Anniversary of Freedom" in 1876, will see Woman's Cause in the Van.

Central Park, New York. Our valued New York Correspondent furnishes welcome and beautiful pictures of the Great Park of New York.

The Letter should awaken all to a "Love of the Beautiful and Good," and stimulate our Citizens to hasten on the work of "Our Park" until it is completed. In our last issue, we spoke of "Central Park" as the theme of our Correspondent then, we should have said, "Bloomingtondale," which was the subject that week.

There are subjects in our Home Department, worthy special notice of Daughters and all good Housewives.

Betty.—We have endeavored to furnish such selections this week as will not only please but improve the mind and heart.

Borticulture.—We give this week very important articles upon the perfecting and preservation of Wine, also upon their standard character by analysis.

Wool Growers should note the valuable Report from the "Wool Growers' of Missouri, Oregon & Idaho," and the "Wool Market of Philadelphia," and the "Great Clip of Spanish Wool from Pennsylvania." We have given some space to the "See later" on page 164, to which we call attention.

Next Week:
Railroad Influence upon Trade.
The Baby Show.
European Letter.
Yosemite in early years.
Political Influences.
"Farmers Grange," a card for Politicians.

ACKNOWLEDGEMENTS.

COMPLIMENTARY.

We have received invitation to attend the Kansas Agricultural Exposition (The Third), to be held at Kansas City, September 15th, to 20th. We return thanks for the courtesy, and wish we could do so, and take a flying trip and see all the Fair East, especially the State and National Fairs.

We acknowledge complimentary cards to the Grand Festival and Fair of the Benevolent Protective Order of Seals, which is held for the 20th and 21st at the City Gardens. We return thanks for the Courtesy.

We acknowledge a very liberal gift, a Basket of large dimensions well filled of choice and delicious Fruit, left at our home. May the generous Donor never want for the good things of this life and we know they are sure of better things hereafter.

CALIFORNIA STATE AGRICULTURAL SOCIETY. We have received from the Secretary, (Major Beck), of the State Agricultural Society, a Box, containing Reports of the State Society, Premium List and Posters, with all the particulars of the coming State Fair at Sacramento, Sept. 15th, to continue six days—these can be had at our Rooms as long as they last.

NEW YORK STATE AGRICULTURAL SOCIETY. We have received the Premium List and Rules and Regulations of the New York State Agricultural Society for the Fair to be held at Albany, Sept. 24th, to Oct. 1st. Great efforts are being made to have this the greatest Fair of the country.

The Premiums are large, and the Rules and Regulations are very complete. The President and Officers of the Society are composed of the best and most influential men of the State, and the Fair will undoubtedly be a grand and successful one, and very largely attended.

ALABAMA STATE FAIR. We have received the Premium List of the Georgia State Agricultural Society for their Annual Fair, Oct. 27th to Nov. 1st—five days. Premiums of a large amount are offered—\$16,000, and all of liberal amounts, from \$5 up to \$1,000 each, and every plan proposed to make a grand and successful Fair.

STATE AGRICULTURAL SOCIETIES. We have received the following List of Premiums from State Agricultural Societies, with Lists of Officers, their Rules, Regulations, &c., Kansas, Georgia, New York, and Louisiana, of these we shall speak in detail in our next.

HARPER'S PUBLICATIONS.

The world is under manifold obligations to this eminent Publishing House for the untold good they have done to advance the general knowledge of the great masses of the people by their invaluable Works—their Monthly and Weekly Magazines, which we do not name their other works, which count by thousands, all of a high character.

We venture the assertion that there cannot be found in the English language in any part of the world two Publications which offer so extensive, and valuable a Fund of Useful Information as "HARPER'S MONTHLY AND WEEKLY."

These two grand Periodicals present the most authentic and interesting history of events occurring in all parts of the world, and these, too, splendidly illustrated in the best style of art, (the Illustrations alone are worth more than the cost of the magazines), while the reading matter is of a character to greatly benefit the people.

Parents, Guardians and Heads of Families cannot select for their children the cost of these Magazines, a series of books that will give so much, and so varied, and so valuable reading matter as the Magazines of "HARPER'S."

We feel it a duty we owe the masses who wish good and wholesome reading books to call their attention to these noble Publications which can be had at little cost annually.

CATALOGUES OF COLLEGES.

We have received the new Catalogues from the following Colleges and Seminaries, giving the Terms, Rules, Bases and Regulations of their Institutions. These can be had for Reference at our "Reading Room," room 352 1/2.

Santa Clara College.
Mt. St. Mary's College, Brooklyn.
St. Matthew's Hall College, San Mateo.
St. Augustine College, Bexley.
Sacramento Female Seminary.

Colleges and Seminaries will find it to their interest to communicate with us, and place their Catalogues in our columns, that the Public may read of their doings and success.

PIÑOLE TO SUSTAIN LIFE.

We have spoken of the Aztec Piñole as a valuable article of Food, and also as a Diabetic, having received great benefit from it while suffering from the horrors of Dyspepsia, we now speak of it as an article of food, having great power and capacity to sustain life and to nourish the great laborer in his doings.

We have just been told of a case where in the early days of mining, in the Winter of '62 and '63, when Flour and Bread was selling at One Dollar per pound, and sometimes not to be had even at that, a company of four miners in want of Flour, came to the Camp Store to buy, no Flour or Bread was to be had, but in looking over the stock for something eatable, there was found what was then called Mexican Piñole, and being all the food that could be had for Love or Money, this was bought as it was found to be something of a meat kind. The miners took it home and made it into mush, and though new to them, it was very palatable and nourishing, and it was all they had to eat for three weeks, and these four miners worked hard every day, living entirely upon this Piñole, and grew fat upon it to the astonishment of all their comrades in other companies.

One of these miners is now one of our leading Insurance Agents, and another a prominent Lawyer, their names and all others can be had as proof of this food sustaining their lives under great hardships.

The price paid for this bag of Piñole, then quite coarsely put up of some 50 to 75 pounds, was \$30 Gold dust, and the good it performed in extremity was, as they said, the best purchase of food they made.

SPLENDID DURHAM STOCK.

When at San Jose, last week, we were present at the "City Scales," where the fine Stock of Col. Younger was being weighed, we noted the three animals weighed as follows:

The famous Bull "Glencoe," 2,430 lbs.
The beautiful Cow "Lady of the Lake," 1,810 lbs.
A young Bull 11 years old, 780 lbs.

We noted the weight of these two first a year ago, and they have each gained 100 lbs. they are splendid animals and do great credit to Col. Younger, who takes great pride in his large herd now numbering Sixty Seven Head 55 Cows and Heifers and 12 Bulls and Calves.

SELECTIONS.

WOOL MARKET, PHILADELPHIA.

Our Philadelphia Correspondent, Messrs. Coates Bros Wool Merchants, says:

"Trade during the past month has been moderate and prices steady, the small stocks keeping values from declining much upon new wool arrivals. Good the Eastern markets. This generally occurs in latter part of June, but the backwardness of the present season and the reluctance of growers to accept the ruling rates has delayed to some extent the moving of the new clip in large lots. Nevertheless there are some arrivals and they seem universally to command a premium on the market with request to dispose of them as soon as practicable. The anxiety of some to sell before any further decline takes place has already caused a little depression in the market. Descriptions are temporarily in demand and command good prices, but it will be but a short time before the supply will fill all wants. We do not, however, anticipate that wool will come forward as rapidly as usual, as the difference in value between this year and last can hardly yet be realized by many growers and some will hold their clip till late in the season."

The sales for the month of Domestic Fleeces, Tab-washed and Piled Wools, foot up about 1,993,000 pounds, within the range of 45 to 51 for Fleeces, 45 to 54 for Tab-washed, and 35 to 45 for Piled.

We quote California Wool as follows:

Fine, Spring Clip, 28 @ 39
Medium, 27 @ 31
Low, 26 @ 28
Barry or heavy, 16 @ 31

FISH BROS. & HUGGINS

"PACIFIC WAGONS,"

FARM, QUARTZ, AND THIMBLE SKIRM, IRON AXLE FARM, AND SPRING WAGONS, QUARTZ, AND HEADER WAGONS.

69 & 71 Front Street, Sacramento.

G. A. DAVIS, Agent.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glenn, Geo. W. Hoag, Humphreys Bros, Jacinto; Hill & Knapp, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Balbach & Co., Agents for San Jose; Smith & Baxter, Agents for Oroya; S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock. The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. J. Case & Co., 48-inch Cylinder Threshers. 89-18

NEW

AGRICULTURAL

WAREHOUSE.

The undersigned take pleasure in calling attention of the Farmer and Cultivator of the Soil in all departments of Agriculture to the "Great Sacramento Valley," and the region around it is the Large Stock of

AGRICULTURAL IMPLEMENTS

which they are now opening in the spacious Warehouse on J STREET, SACRAMENTO, formerly occupied by Treadwell & Co.

It will be the aim of the undersigned to offer the Largest and Best Stock of Harvest Implements and other Goods, at the lowest prices, and to offer Implements, such as the Reel and mowers, to give satisfaction to every Customer and Patron of our House.

We have the following:

EXCELSIOR MOWER

AND

MOWER AND REAPER COMBINED, (IRON FRAMES)

SIX HUNDRED SOLD IN THIS STATE DURING LAST SEASON.

It also took the First Premium in this State at the State Fair of 1872.

This truly celebrated Iron Frame Machine stands as far ahead of all others (the BUCKEYE included) as science, skill and careful study can reach with improvement. Far and away in every section of this State give the preference to the EXCELSIOR over all other machines on account of Cheapness, LIGHTNESS OF DRIFT, being better adapted to California work, and from its simplicity does not get out of order.

The Hay and Grain Harvest will open early this year. Examine carefully and purchase wisely.

The Excelsior Side Rake and Excelsior Dragger.

EVERY MACHINE WARRANTED, OR THE MONEY REFUNDED.

Genuine Haines Header, imported for 1873. Huber Reaping Rake, simple and effective in their work. Wheel Rake, Hand Rake and Forks. Every description of Agricultural Implements. Mower & Reel as TRACTION ENGINE, and THE VIBRATOR Threshing Machine, the Cheapest and Best Machine in the world.

The Patent BRASS BEARING WAGON, now becoming very celebrated as one of the best yet offered, and promising to supersede many kinds now sold.

This excellent invention is known as Clapp's Brass Bearing Wagon, the axle being shrouded with brass plates runs easier and with less friction than any wagon known. We also offer other Wagons of the best make of Iron Axles.

Merritt & Kellogg's Self Propelled Threshing Engine, one of the best inventions of the age.

THE JOHN DEERE MOWING PLOWS.

This Plow has become justly celebrated over the whole United States as one of the best Plows known, also The John's Plow (Smith's Patent).

Gordon's Broad Cast Seed and Fertilizer, a very popular Implement.

We invite special attention to the immense Stock of Implements we are now opening, as we mean to suit all our Customers for all their Implements.

EXTRA—Always a full supply on hand cheap, but fewer needed for the Excelsior than any other machine.

KELLER & CO., 43, 45 and 47 S Street, bet. 3d and 4th, Importers and Dealers in Agricultural Implements.

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39-10

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THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 18 inches.

The "DEERE" PLOW is far Superior to all other

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for Simplicity, Durability and Rapid-Output is

not equalled by any Cutter yet invented.

ALSO FOR SALE

"MOLLINS" or "SHITE'S" Patent Cast Steel

PLOWS from 7 to 24 inches.

BOSTON OLIVER PLOWS, all sizes,

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CAST IRON PLOWS, all sizes,

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"MILLER'S" PATENT CAST STEEL SIDE

HILL PLOW, it has no equal, all sizes.

SHOVEL PLOWS, Single and Double.

Also a full Stock of Plows, Harrows, Cultivators, Horse

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300 BALES NO. 1 STANDARD DOUBLE

Sealed Calcutta Gunny Bags, 250 each.

100 Bales Imitation Gunny Bags, suitable for Onions and

Sweet Potatoes.

50 Bales Large India Packing Bags, suitable for Char-

coal, etc.

300 Bales of Head Sawn Wheat Bags, 1000 each, 22x24

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1500 Bales of Bagged Wheat Bags from Liverpool, nearly

as good as new, 350 each.

—ALSO—

400 Bales of Barbic Bros. Celebrated Twine, 3, 4, 5, 6, 7,

and 8 Ply.

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ous and large products that are shipped over

the "Railroad" and by Steamers East, are at-

tracting great attention, so much so as to in-

duce those who feel qualified to act as Super-

intendents to desire to come to our State as a

new field of operations.

As it is in our power to furnish both parties,

the Employer and Employee, with what they de-

sire, We advise all such to make known their

wishes fully and confer with us.

WARREN & CO., Farmers Union.



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After paying 1,800,000 at Chicago.

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SIMON SCHREIB

Home Miscellany.

Home Correspondence.

Eastern Correspondence.

STRAY LEAF FROM MARGARET'S JOURNAL.

For the California Farmer

July, 4th, 1873.

I was awakened at an early hour this morning by the loud mouthed cannon, bursting of bombs, firing of crackers, etc., to welcome the return of our National Birthday. The flags are flying on the roofs, wagon and carriage loads of people are driving towards town, merry children are hurrying by, adorned with rosettes of the National colors, and wearing their miniature flags in honor of the day. I can just catch the noise of the band in the city, as they disconcert in martial strains, calling the procession to order ready for its march through the principal streets.

As I sit alone by the open window, enjoying the sweet balmy air of this bright summer day, the fragrant blossoms, the songs of birds darting hither and thither in the sunlight, earth seemed too lovely to be the battle ground which we know that it is. What means all that we hear about the blessings of Peace, the joy of Liberty, and the praise of our Nineteenth Century Civilization? Are the men and women of America wholly free on the contrary, are they not held in a cruel bondage to the worse vices which ever enslaved a people?

Metaphors bear the orators on a thousand rostrums to-day iterating and re-iterating the oft repeated words of our boasted "Declaration of Independence—all men are created free and equal, entitled to certain inalienable rights, among which are life, liberty and the pursuit of happiness." Has this proposition ever been considered a true one, or is it only a glittering, generally intended to mislead those who so often hear it echoed and re-echoed by aspirants for political positions. For nearly a century has it been stated again and again in the ears of the sovereign people of these United States. If it be true the government should prove it such by declaring both men and women politically free, politically equal, giving to each a like share in forming the laws by which both are to be governed, thus truly entitling them alike to "life, liberty and the pursuit of happiness."

As a nation we have waded through a Red Sea of most precious human blood, to prove that all men are entitled to these inestimable blessings. The term man is admitted to be a generic one, including both sexes for all purposes except that of political equality. Why not in this most important respect? Alas! why cannot this nation see that it must and will suffer the direst penalties for thus delaying the allowance of just and equal rights to all its adult and rational citizens? What a stinging satire upon our boasted Republican Government is the account in a recent New York paper of the trial of the nine women guilty of the terrible crime of despoiling each a vote to elect their own rulers? What a force to exert at this day, and in this age of reason and enlightenment? I hope the records of that trial will be kept in the State archives. They should be sent to Spaul for preservation with the treasures belonging to the Institution. Such an event could never happen in a true republic.

My soul is stirred with a sense of the wicked wrong and the cruel injustice exercised towards one-half the adult population of our nation that I could wish almost for the voice of the "mighty angel with a trumpet," to proclaim in the ears of the people the manifest wrong done to the mothers, wives, sisters and daughters of this land, in withholding from them a representation in regard to levying taxes upon their property. No nation can prosper whose foundations are laid upon wrong principles. All the vast changes and revolutions heretofore accomplished in the history of mankind have taken place in strict accordance with law—a law of right and justice more inexorable than that of the Medes and Persians. None of any rational thought upon this subject must realize what a contemptible race is this trial of women citizens—a tax upon the government, for doing to do what the government has specially founded what all citizens might do, viz: enjoy their "inalienable rights."

When will a glorious day of Independence dawn upon the earth? A day when human beings shall indeed be free from such oppression of one sex over the other as now renders the name of freedom a mockery and by word. The ages have waited long and still waiting. It will surely come! A day of freedom and joy—a day of light and liberty to every human soul. I listen, and even now can catch the glad anthems of peace rolling nearer in the not far distant future. The light already sheds its rosy gleams over the distant hills. Not the lurid gleam of cannon blazing with death, nor the glare of burning cities where man wrecks vengeance upon his brother man, but the light of truth and the warmth of love filling the earth with its glory and enlightening the nations, showing them that true freedom consists in equal rights for all human beings.

Men can never be raised from the slough of selfishness and the mire of corruption in which they are now sunk, until woman stand erect beside them to help them upward to a higher and better life. Separate, they are only halves of human beings. We need their united action in every question whether of government or politics, science or religion. When we have this then we may hope to see a Republic worthy the name—a government which shall command the respect and possess the love of all its adult citizens. As I close this page of my Journal the words of Madame Roland are vividly present to me, and I must record them here: "O Liberty! How many crimes are committed in thy name!"

To know more of ourselves, and to know meanwhile on more of God, makes our present anguish and desolation.

LEAVES FROM MY JOURNAL.

BY M. A. FARROW.

NUMBER FOURTEEN.

The last day of June was delightful—the atmosphere was perfect, odd but exhilarating and fragrant with the perfume of roses, the sky was of the brightest blue with exquisitely shaped and colored clouds that prevented the sun from shining with full power and threw over the landscape an occasional shadow that changed its character, and the flowers were all in the height of their glory. My beloved mother, who is an enthusiastic admirer of Nature, proposed that we should spend the afternoon in the Central Park, and I gladly offered to accompany her. We first went to see the new fountain, which has been erected near the lake, and about which the critics are quarreling. The artist, Miss Stephens, has taken the subject from the Gospel of St. John.

"Now there is at Jerusalem, by the Sheep Market, a pool, which is called in the Hebrew tongue, Bethesda, having five porches."

"For an angel went down at a certain season into the pool and troubled the water, whosoever then first after the troubling of the water stepped in, was made whole."

The angel is represented as troubling the waters, and the design to our idea is gracefully treated. It has certainly cost a large sum of money, but the fountain is a large one, the materials are all of the choicest nature and such things should not be expected to be obtained cheaply. The tax payers studied its beautiful lesson to-day without regret, and we went away grateful in our hearts for the blessed words of the Gospel, for the American mind which has understood and so successfully moulded them in bronze, and for the influence which this work of Art will exercise over those who shall wander in our "Garden of Eden." We walked by the lake watching the swans, passed into the ramble where the foliage is so rich that we were completely out of sight of every vestige of the city, and at last found ourselves at the Belvedere where we enjoyed the magnificent panorama which is the crowning attraction of the Park.

After enjoying the view and the breeze we turned again into the ramble, and walked through its charming paths to the mall, and then directed our course to the Museum, where our attention was directed between watching the animals and listening to the hearty laughter and odd remarks of the children who congregated here always in great numbers. The long walk made us both thirsty, and a short stroll brought us to the dairy where we obtained a glass of pure cream. The time had passed away so quickly that it was five o'clock and we ended our afternoon's enjoyment by a ride in the Park omnibuses, which are decidedly the cheapest luxury in New York. The carriages are large, placed on easy springs and are drawn by handsome horses. The charge is yet only twenty-five cents for each passenger. We were delighted with our ride. The drive was crowded with vehicles of every description, the sun lit up the scene gloriously, and soon which way we rode our eyes rested on a scene that had every element of enchantment. The landscape was constantly changing but always lovely, the statues and the fountains seen through the trees were placed where they could be most effective, the elegance of the equipages, the beauty of the animals, the picturesque attire of the servants, the bright colors of the ladies' dresses, the happy faces of the children, all flashed upon us as we rode in, and when we reached home we felt grateful to God for his beautiful world, for so pleasant an abiding place as New York, and for its most valuable possession, Central Park.

NO MILK FOR THE BABY.

"THE SCIENCE OF HEALTH, in an article entitled, 'The Natural Food of Children,' traces the remarkable prevalence of infant mortality in New York, to the use of improper, artificial nourishment. Nearly half the children born during the past year in this city will probably die in infancy, owing to the neglect of sanitary measures and sound principles of hygiene. The influence of 'Fashion upon Health' is discussed in a lively paper, and many wise counsels on the treatment of the 'divine temple' of the human body, are presented in the series of the brief pungent paragraphs that make up so considerable a part of the contents of the number.—New York Tribune.

The effect that light-lacing and fashionable dress have on the lactical secretion of young mothers, is certainly an important subject. It is clear that the amount of milk that can be produced depends on the quantity of food that can be digested and assimilated, and that the nutritive powers are dependent upon respiration; hence, light-lacing, loading the hips with heavy skirts, or anything else that diminishes respiration, just so that extent lessens the digestive power, and destroys the milk-producing capacity. It is certain that those who move in fashionable circles become less and less capable of nursing their own babies; it is well known, too, that wet-nurses are extensively employed by this class, and that the mortality among their children is very great. On the other hand, some mothers have an abundance of milk, and these have invariably well-developed lungs. Beer, porter, bourbon, tea, coffee, and other stops may increase the quantity of fluid secreted by the mammary glands; but it is not milk, such as infants can feed upon.—Science of Health.

By relying on our own resources, we acquire mental strength; but when we lean on others for support, we are like an invalid who, having accustomed himself to a crutch, finds it difficult to walk without one.

A THORN IN THE PILLOW.

A little girl went to visit her grandmother, who lived at some distance from her mother's and father's home. She seemed happy all day, for she had everything to make her happy. But when grandmother went to look at her when she was asleep, she saw tear-drops on her eyelashes.

"Ab," said the old lady the next morning, "You were a little homesick last night, my dear."

"Oh, no grandmother," Mabel replied, "I could never be homesick here."

"It was just to the next night, and the next. At length grandmother thought, as the child seemed troubled that she would sit in the next room until she went to sleep. Presently, although Mabel was tucked up she began to rustle her quilt, and shake her pillow, and her grandmother heard a little sob as she went to her and said:

"Mabel, my child, you have a thorn in your pillow: what is it?"

Then the little girl bit her face, and began to cry aloud. Her grandmother was very much troubled. At length Mabel answered: "O grandmother, when I am alone here, I can not forget how I said, 'I won't mother, and I can not weep it; and mother is good and loves me so much, and—I was so naughty!'"

And the tears streamed down the child's cheeks. Here, then, was the thorn in her pillow, and she could not withdraw it. And so it will be by-and-by, with the little boy who is selfish and unkind at home. When he is away among strangers, he will think of the home of his childhood; and the recollection of some unkind word or action will be a thorn in his pillow when he retires at night. And the little girl who does not care to help her mother now will find a thorn in her pillow when that mother sleeps in the grave.

DOMESTIC COOKERY.

CAKES MADE WITH INDIAN CORN-MEAL.

Indian Pound Cake.—Make into a paste three-quarters of a pound of meal, a quarter of a pound of sugar, half a pound of butter, eight eggs and a grated nutmeg.

Indian Cake.—Add to a pint of sour milk a tablespoonful of sugar, the same quantity of butter, one egg, sufficient meal to thicken it, and a teaspoonful of carbonate of soda.

Ginger Cake.—Mix a quart of sour milk, the same quantity of meal, and a pint of flour; add a gill of molasses, two teaspoonfuls of carbonate of soda, and some salt and ginger.

Hoe Cake.—Mix together three tablespoonfuls of cream in a teaspoonful of buttermilk, and sweeten it with three tablespoonfuls of sugar. Then add gradually sufficient meal to render it a little thicker than batter, and flavor it with salt and spice to suit the palate.

Jenny Cake.—Make a batter of the cheapest ones employed for pancakes, of the following materials: A quart of milk, a teaspoonful of wheat flour, a sufficient quantity of Indian meal, three eggs, and a teaspoonful of carbonate of soda. Pour the batter into a tin pan well buttered inside, bake it in a hot oven, and eat it warm with milk or butter.

Corn-meal Cakes.—Mix together a pint of meal, a teaspoonful of sour cream, and the same quantity of fresh milk; half a cupful of molasses, one egg, a teaspoonful of carbonate of soda, half a teaspoonful of salt, and as much cinnamon, nutmeg, or other spice as may be required to flavor the cake.

Batter Cakes.—Add a teaspoonful of carbonate of soda, and a little salt to a pint of "sour" milk. Stir in sufficient meal to make it into a thick batter, and cook it like pancakes in a frying-pan.

Another way to make **Batter Cakes.**—Mix thoroughly a quart of meal in the same quantity of boiling water, and two raw eggs previously well beaten up. Then season the batter with salt, and cook it as above directed.

A Cheap Way to Make Batter Cakes.—Make a batter of equal parts of meal and boiling water, add a little salt, and allow it to become nearly cold. Then mix some yeast with it, and when it has risen sufficiently, cook it in the usual way.

Corn Muffins.—Mix together a quart of buttermilk, a few eggs, some flour, and enough meal to form a paste. Then add a tablespoonful of melted butter, and some salt. Then bake it in a well-buttered pan.

To Boil a Ham.—Soak over night, if long enough put it in cold water, and let it simmer for six or eight hours, according to weight; a quarter of an hour for every pound is needed. If done before the time for serving, cover it with a clean cloth, doubled, and keep the dish hot over boiling water. Take off the skin carefully, and skew over the ham raspings. Garnish with carrot and lemon, and fix round the knuckle a fringe of white paper.

To Remove the Taste of Turnips from Milk.—When cows are fed on turnips, their milk is apt to taste of that vegetable. This may be prevented by putting a small quantity of saltpetre into the pail to which the cow is milked.

Mutton Ham.—The mutton for the purpose should be very fat. Mix two ounces of raw sugar with one ounce of common salt and half a tablespoonful of saltpetre. Rub the mutton (ham with this mixture, and place in a pan; heat it, and turn it twice a day for three successive days, at each time throwing away the brine which exudes from the meat; then wipe it, and rub it again with the mixture as before. On the morning, heat and turn and wipe it as before, and repeat this for ten days, taking care on leaving it after each salting to have that side uppermost which was underneath before. Let it then be smoked ten days.

CONTRIVANCE OF REPROOF.

Avoid accompanying your remarks with any expression of scorn, with any phraseology which shall convey a wish of others to degrade or lower in the social scale the object of your reproval.—Athenaeum.

FRUIT PRESERVES.

Apple Paste.—Select some apples until they become soft, and let them drain. Pass the pulp through a sieve, and let it boil down over a gentle fire, taking care to stir it continually to prevent its burning. Then remove the pan from the fire, and mix syrup with it, containing as many pounds of sugar as there are pounds of fruit. Simmer the whole over a gentle fire, and make it into shape in moulds, and dry the paste in a warm place.

Drying Figs.—Make a syrup of six pounds of sugar, put in a peck of figs, boil till clear, pour on a little syrup; while drying, add figs to the syrup till it is all gone. When dry, pack away in a jar a layer of figs and a layer of sugar.

To Preserve Lemons.—Place some dry figs and at the bottom of an earthen jar, and arrange layers of lemons on its stalks, downwards, taking care that the lemons are not allowed to touch. Then cover them with more figs, to the depth of two or three inches, with more lemons on top. Continue to do this until the jar is filled, and place it in a cold and dry place. In this way lemons may be kept for a whole year. Oranges may also be preserved in the same manner.

HELP MOTHER.

"I wish I was a big woman to help you, mother," said a little girl.

"Fetch mother's thimble; that will help me," said mother, smiling.

Just as if God meant for little children to wait until they grow up before helping their dear parents! No, no! God gave them two nimble feet on purpose to take steps for mother and eight fingers and two thumbs on purpose to fetch and bring and carry for her.

IMPROVE THE MINUTES.

Have a book in hand, of your pen where you can take it up, whenever you may be compelled to wait. You may thus secure many days of useful study and culture in the course of a year. It is related of a distinguished lawyer, whose wife always delayed ten or twelve minutes before she came down to dinner, that being loth to lose so much precious time daily, he commenced the composition of a work which he prosecuted only while he was thus kept waiting. The result was, at the end of fifteen years, a book in three volumes—quarto, which has met with a large sale, and is much esteemed.

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The Leading Commercial School of the Pacific.

A PRACTICAL BUSINESS EDUCATION IS valuable to the Farmer, Merchant, Artisan and Lawyer, as well as to the Merchant and Banker. In these good times, no person can afford to do without it. For acquiring this, Heald's Business College, is by a nobler system of THEORY and ACTUAL PRACTICE, offers the very best advantages. It is first-class in all its departments, and is acknowledged by our leading business men to be the

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The Student Boys, Girls, Ship's, Bartender's, Conductor's, Du-combe, Insurer, Draws Checks, Notes and Drafts, gives Loans, Deals, etc., and goes through the entire routine of Actual Business.

The school-room is elegantly fitted up with Merchandise, Jobbing and

Importing Emporium,
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HEALD'S COLLEGE JOURNAL.

An eight-page paper, published monthly by the College, giving full particulars in regard to school, and containing a large variety of interesting reading. Sent free by Addressing

E. P. HEALD.

President, Business College, San Francisco, Cal.

Santa Clara College, S. J.

SANTA CLARA, CAL.

CONDUCTED BY THE FATHERS OF THE SOCIETY OF JESUS.

THE TWENTY-SECOND ANNUAL SESSION OF THIS Institution will commence AUGUST 24th.

TERMS—Tuition in the Classical and Scientific Departments; Boarding and Lodging; Washing and Mending of articles; School Stationery; Medical Attendance and Medicines; Fuel, Light, Bath, etc., per Session of Ten Months, \$1500.

For further information apply to the President of Santa Clara College, Santa Clara, Cal., or to Rev. A. Marchetti, S. J., St. Ignace Church, Market Street, between Fourth and Fifth, San Francisco.

REV. A. VARGAS, S. J. President

BERNARD HOUSE,

Corner Georgia and Sacramento Streets.

VALLEJO, CAL.

J. M. STAPLES, Proprietor.



LEAF AND BLADE.

That gifted writer in the *Overland Monthly* for August, Miss Ida D. Coolbrith send forth a merry, happy, and musical song of the Leaf and Blade, which we are happy to send far and wide.—E. P.

I am a lowly grass-blade,
A fair green leaf is I;
For little fluttering shadow
Falls daily over me.

She sits so high in sunshine,
I am so low in shade;
I do not think she ever
Has looked where I am laid.

She steps to merry music,
She frolics in the light;
The great moon plays the lover
With her through half the night.

The swift, sweet winds that flutter
And woo her all the day;
I tremble lest the boldest
Should carry her away.

Only a little grass-blade,
That dare not look so high;
Yet O! not any love her
One-half so well as I.

My little love—so happy!
My love—so proud and fair!
Would she might dwell forever
In the sweet summer air.

But, ah! the days will darken,
The pleasant skies will fall,
And pale, and parched, and broken,
My little love down fall!

And yet the thought most bitter
Is not that she must die,
But that ere death should bring her
To lie so low as I.

LIFE'S TROUBLES.

Oh, trifling tasks so often done,
Yet ever to be done anew!
Oh, cares, which come with every sun,
Morn after morn, this long years through;
We shrink beneath their petty sway,
The income calls of every day.

The restless sense of wasted power,
The throned round of little things
Are hard to bear as hour by hour
Its tedious tasks and things
Who shall evade or who delay
The small demands of every day?

The bowlder in the torrent's course,
By tide and tempest labored in vain,
Obeys the wave-whirled pebbles' force,
And yields its substance grain by grain
So crumble strongest lives away
Beneath the wear of every day.

Who finds the lion in his lair,
Who tracks the tiger for his life,
May wonder how they are aware
Of conquer them in desperate strife;
Yet powerless he to scold or slay
The vexing gnats of every day.

The bleasty strain that never stops
Is mightier than the fiercest shock,
The constant fall of water-drops
Will grove the adamantine rock;
We feel our noble powers decay
In feeble wars with every day.

We rise to meet a heavy blow—
Our souls a sudden bravery fill—
But we endure not always so
The drop by drop of little ill;
We still deplore and still obey
The harsh behests of every day.

The heart which boldly faces death
Upon the battle-field, and darts
Cannon and bayonet, falls beneath
The needle-points of frets and cares,
The stoutest spirits they dismay—
The tiny slings of every day.

And even saints of holy fame,
Whose souls by faith have overcome,
Who were made the cruel flame,
The molten crown of martyrdom,
Bear not without complaint away
The petty pains of every day.

—The New Yorker.

AS ONE

So much of life do we have, and hold—
Clouds and sunshine, pleasure and pain—
Watch shall avail where the tide is cold
Will it be less, or will it be gain?

What of the storms that blow high and low,
Sweep and dash over sea and shore,
Down the broad paths where the roses grow,
Scattering leaves that shall bloom no more!

What of the hopes that the storms of life
Beat, and bring to earth?
And the struggle, the care and strife,
Shall it avail when we know their worth?

Ever and over the world rolls on—
Hours, days, and the years fly fast;
And joy and pain, as the night and morn,
Shall be even as one at the last.

—Overland Monthly for July.

Cream may be frozen by simply putting it into a glass vessel, and then placing the whole into an old bachelor's

Produce Markets.

Wholesale Produce Report.

represents the prices paid by the dealer at the place of origin on the basis of the following:

Corrected Weekly, by Editor Farmer.

San Francisco, July 31, 1873.

Money and Exchange Table.

Exchange on England	109 1/2
Price of Gold	153 1/2
Value of Greenbacks	25 1/2
Value of Wheat in Liverpool	115 1/2
do do New York	115 1/2

Money in New York, Boston and the Eastern States very plenty, interest very low, never so low before.

Money at the Bank of England, more plenty, rates at 4 1/2 to 5 percent.

Money in San Francisco is very much easier. At Bank 1 and 1 1/2 per cent—large and long loans are 2 and 2 1/2 per cent, and readily loaned.

GRAIN AND FLOUR MARKET.

The Grain market is not very active. New Grain comes in slowly, not so many vessels loaded this month as last July for Europe. Old Grain is used for the Mills, commanding about 10 cents more than the new. Some vessels only went away this month to Europe last year in July, but there is now on board 10 vessels loading, the foreign grain there just now will check much of the speculative feeding, as grain purchased and sent forward at \$1.15-30, that is now reaching Europe will not please shippers, the profit being on the wrong side of the ledger.

The price of Wheat is not tempting shippers, to carry it to market, especially those who are able to let it remain on hand, yet we cannot see any strong inducements to "hold on," for surely the tendency will increase to increase to interest or improvement while the Wheat is selling up all the advance it could make, by various exports always attending the process of "holding on," we therefore believe it for the interest of our farmers to market their crops early, the outlook now certainly does not show any chance of a rise, whenever any effort is made to sell large lots of grain it is not over \$1.15.

The Flour market continues to receive Flour from Oregon, there are shipments abroad, but not large, prices remain about the same, but little change for two weeks.

Barley has found a market in foreign ports to some extent, and several vessels have loaded, thus relieving our market—the crop is larger than we supposed.

Oats of the new crop rates about the same as the old, and Oregon is sending Oats to our market, sales not heavy.

The demand for Rye, Buckwheat and Corn is very moderate.

The sales of Hay is considerable, crops large, quality good—Straw and Middling are for Feed lower, Old Cane Meal remains the same in price, demand is good.

Potatoes, Onions, and Root Crops generally plenty, and wanted, Beans good, steady demand, crops not over large.

The market for Beef Cattle has advanced on first quality, Veal, Mutton and Lamb not much change, the Pork market a little better.

The Wool market looks better, demand fair at full rates now quoted, with good prospect ahead of better rates still. We call attention to the Wool Report of Mr. E. Griser & Co., in our column this week, which gives full returns of the wool clip and its destination—a valuable report.

The Hop market is climbing up, a good crop is expected—better in some counties than others—Good counties better than inland. California exports Hops, and imports them too, but our exports are much the largest.

The Honey and Beeswax trade is now quite active of business in our market. We export Beeswax as a considerable quantity.

Hides, Leather and Tallow articles of large trade and of large export, the markets for these are very fair, supply and demand satisfactory, for Hides and Tallow, the Leather market not very active.

Wholesale Fruit Market.

What California, per 100 lbs. Case	\$1.75
do do do do do do do do	1.70
do do do do do do do do	1.60
do do do do do do do do	1.50
do do do do do do do do	1.40
do do do do do do do do	1.30
do do do do do do do do	1.20
do do do do do do do do	1.10
do do do do do do do do	1.00
do do do do do do do do	.90
do do do do do do do do	.80
do do do do do do do do	.70
do do do do do do do do	.60
do do do do do do do do	.50
do do do do do do do do	.40
do do do do do do do do	.30
do do do do do do do do	.20
do do do do do do do do	.10
do do do do do do do do	.00

At this time the market is very active, and the demand for fruit is very large, and the prices are very high.

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Corn, white, per 100 lbs.	\$1.00
do do do do do do do do	.90
do do do do do do do do	.80
do do do do do do do do	.70
do do do do do do do do	.60
do do do do do do do do	.50
do do do do do do do do	.40
do do do do do do do do	.30
do do do do do do do do	.20
do do do do do do do do	.10
do do do do do do do do	.00

The Fish supply is not large, yet a good supply of some of the leading kinds, always enough to make a Fish Dinner, although we are without our regular supply of Salmon, unless the Fish is fresh or fresh.

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Almonds, per 100 lbs.	\$1.00
do do do do do do do do	.90
do do do do do do do do	.80
do do do do do do do do	.70
do do do do do do do do	.60
do do do do do do do do	.50
do do do do do do do do	.40
do do do do do do do do	.30
do do do do do do do do	.20
do do do do do do do do	.10
do do do do do do do do	.00

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C. P. R. R. R.

And north further notice, Trains and Boats will

LEAVE SAN FRANCISCO

7:00 A. M. (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Colusa and Portland, O. Coast, Mendocino, Oriskany and Oriskany.

7:30 A. M. (Daily) Cal. P. R. R. Train (via Oakland) for Sacramento, Marysville, Colusa and Portland, O. Coast, Mendocino, Oriskany and Oriskany.

12:00 P. M. (Sundays excepted) Stockton Branch (from Broadway) leaving at 11:30 A. M. for Stockton and Landing at the San Joaquin River.

3:00 P. M. (Daily) San Jose Passenger Train, via Oakland, stopping at all Way Stations.

4:00 P. M. (Sundays excepted) Passenger Train (via Oakland) for Sacramento, Marysville, Colusa and Portland, O. Coast, Mendocino, Oriskany and Oriskany.

4:00 P. M. (Sundays excepted) Cal. P. R. R. Train (via Oakland) for Sacramento, Marysville, Colusa and Portland, O. Coast, Mendocino, Oriskany and Oriskany.

4:00 P. M. (Sundays excepted) Stockton Branch (from Broadway) leaving at 3:30 P. M. for Stockton and Landing at the San Joaquin River.

6:30 P. M. (Sundays excepted) Overland Passenger Train, via Oakland—Through Freight and Accommodation.

OAKLAND BRANCH—LEAVE SAN FRANCISCO, 7:00, 8:00, 9:00, 10:00 and 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:00, 9:00, 10:00 and 11:00 P. M.

LEAVE OAKLAND, 7:00, 8:00, 9:00, 10:00, 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:00, 9:00, 10:00 and 11:00 P. M.

ALAMEDA BRANCH—LEAVE SAN FRANCISCO, 7:00, 8:00, 9:00, 10:00, 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:00, 9:00, 10:00 and 11:00 P. M.

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LEAVE FARMERS, 7:00, 8:00, 9:00, 10:00, 11:00 A. M., 12:00, 1:00, 2:00, 3:00, 4:00, 5:00, 6:00, 7:00, 8:00, 9:00, 10:00 and 11:00 P. M.

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HOTELS.

GOLDEN EAGLE HOTEL

Corner Seventh and E streets, SACRAMENTO

THIS HOTEL IS OFFERED TO THE PUBLIC as "Home for Families" and for the Traveler.

The Proprietor has spared neither expense or care, to make his Hotel one that shall always be acceptable to all that may favor him with a call.

With ample accommodations by means of spacious Suites of Rooms for Families, and by recent enlargements, he is confident that visitors will always be satisfied and feel at home.

CARRIAGES, to and from the Hotel to the Railroad Cars and Steamers, at all times, Free of Charge to the Proprietor of the Hotel. Hotel open all night.

D. E. CALLAHAN, PROPRIETOR.

YOSEMITE HOTEL

Yosemite Valley.

J. M. WITCHINGS, Proprietor.

Witchings still lives and keeps his House open. He makes no special profession about his House, being satisfied that his accommodations and table are not excelled by any in the Valley. He still cheerfully gives information on all subjects connected with Yosemite, and will be happy to welcome his guests.

59.10

Clark's Station.

Mariposa Route to Yosemite.

CLARK & MORSE, Proprietors.

This Hotel is at the end of the stage, it is beautiful, situated in the south fork of the Merced, and in the point from which Mariposa Big Tree Grove of 200 trees is visited. This route to Yosemite has been constructed, and visitors who travel by it always go away satisfied. The unimpaired views from Sentinel's Den, Glacier Point and Inspiration Point are had by Clark only. Visitors can travel to Yosemite until the middle of November by Clark's.

32.10

International Hotel.

Nos. 824 & 826 Kearny Street, San Francisco.

The International Hotel has just removed to this large and beautiful Hotel on Kearny Street, and is now furnished with first class accommodations.

COACHES, with the name of the Hotel thereon, will convey Passengers to the Hotel FREE.

Board per Day, \$1.50 & \$2.00, according to Room.

H. O. PATRIDGE, Proprietor.

Auzeais House.

SANTA OLARA STREET, SAN JOSE.

S. W. CHURCHILL & Co., Proprietors.

CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XXXIX.

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NUMBER 22.

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JAMES, BURRILL & Co Seedmen, High Holborn, London
J. H. Loomis, Seedmen, Paris.
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in advance. Payments in Gold or Silver.
All letters on business connected with the office should
be addressed to WARREN & CO., PUBLISHERS.

EUROPEAN.
From our Special Correspondent.
PARIS, June 14, 1878.
LIQUID MANURES.

Since six years M. Péligot has been occupied
with the role played by soda in vegetation, or
rather to show that it was an error to asser-
the plant was indifferent to the assimilation of
soda or potash. From a series of carefully con-
ducted experiments by watering plants with a
solution of common salt and acetate of soda,
M. Péligot found on analysis that the plants
which did not contain a trace of soda, that on
the contrary the weak solutions of soda had
enriched them, in comparison with other plants
cultivated at the same time, but under other con-
ditions, the same soil being common to all bow-
ers. He affirms, that soda should henceforth
be excluded from the list of manures; that it is
not found, except by mechanical accident in
plants grown in the vicinity of the sea, and that
the salts reclaimed from the sea—the polder lands
of Boulogne for example—remain barren, until
the salt has been washed out by the rain, that
it made to resemble arable soil.
The age of admission into the Veterinary col-
leges of France has been lowered to 17 years,
but the price of board has been raised by one-
third—to 600 fr. a year. The experiment of se-
lecting a batch of advanced pupils to the Grig-
on Agricultural College, and allowing them to
travel in certain districts famed for special cul-
ture—accompanied by their Professors—under-
wood—has proved successful in point of sound
instruction, that it has been renewed this season.
The railway companies permit the pupils to travel
for half-fair rates. France possesses "region-
" and "farm" schools, devoted to agricul-
tural education; the first is costly, and admission
the second is gratuitous, and where the
pupil's labor secures him a home and some in-
struction. An "intermediate" class of agricul-
tural schools is needed, and is about being sup-
plied; where pupils will be charged at the rate
of one franc per day, required to work for a
week—seven hours daily—but not so as to sa-
tisfy them for the acquisition of a general ele-
mentary and theoretical agricultural education.

VINE INSECT.
The vine bug—the Phylloxera continues to
lead their march of invasion, attacking alike
as well as old vineyards, strong as well as
shaky vines. Yet M. Faucon invites the world
to come and visit his plantation, an oasis in a
desert, where he has conquered the enemy by
irradiating the soil during the two winter
months—drowning the insects in fact—and the
vine which has a command of canal or river
water, will not even resemble St. Thomas by ex-
amination. For such as cannot flood their
vineyards there is no end to the therapeutic pre-
scriptions; the latest is from Professor de Luca,
Neapolitan chemist, who recommends volcanic
ash, on account of the arsenic it contains.

BEST SUGAR MAKING.
Judging from the exhibition of machinery at
London there is a likelihood that farmers be-
coming very long will be able to extract them-

HON. MARSHALL P. WILDER,
BOSTON, MASS.,



President of the American Pomological
Society.

sever, and on their premises, the sugar from the
beet, with as little trouble as they can distill
brandy or make wine. M. Basset has the matter
in hand. A M. Frison claims to reduce, by a
chemical discovery, the ten processes employed
in best sugar making, to five, to dispense with
the pulping of the root, thus passing it after be-
ing washed directly under the press; no lime
will be required, and few filtrations. These con-
summations are devoutly to be wished.

WHEAT SOWING.
The impetus that the sowing of wheat in
drills has received last autumn, has proved most
salutary during the recent bad weather; the
crops are vigorous. In the case of thick sowings
the wheat was laid by the first heavy rain that
fell; many believed this was owing to a want of
silica in the stems, and manures professing to
furnish soluble silica were used, but to no pur-
pose, their sowing in drills remedied the mis-
chief. Isidore Pierre has demonstrated, that the
wheat which has a tendency to be laid, is pre-
cisely that which contains most silica, accom-
panying it in the leaves, eight times greater, than
in the stems, and the knots had four times a
greater quantity than the intervening portions of
the stem. In fact, when wheat is sown thickly,
the cells, like all plants grown in the shade, are
naturally elongate, and (thus the tissue wants
strength or thickness.

MEAT EXTRACTS.
At Uruguay, 30,000 tons of Liebig's extract of
meat are annually prepared, by boiling down the
bone portions of the meat and evaporating the
"symp" till it has the consistency of paste. The
residue was burned or thrown into the river.
Bavaria has tried some experiments by fattening
pigs on this refuse, which is dried, pulverized,
and made into "animal flour," and mixed with
potatoes. In 44 days some pigs experimented
upon, doubled in weight; and while 2 cwt. of
potatoes alone increased the weight of the animal
by 12 lbs; the addition of 10 lbs. of "flour" more
than double the weight in the same time. Salt
should be always added, and the mixture given
in a liquid form. Alone the "flour" will not
sustain life; dogs died when so fed, but thrive
when salt and phosphate of lime were added.

TRANSPORTATION CHARGES.
We have received a Circular invitation asking
all who are interested in the matter of Transpor-
tation of Freight either by Railroad or Steam
Ship to attend a "Public Meeting" of Citizens at
the "Chamber of Commerce," in this city on the
20th. The object undoubtedly is to look to the
matter of Legislating upon Railroad and Steamer
rates, assuredly we shall have warm and strong
arguments in behalf of low rates.

GREAT BARGAIN IN HARVESTERS.
Permit me to look to the Advertisement of Messrs.
Bois, Dempster & Co., for Harvesters, for sale at
a great Bargain.

OUR ILLUSTRATION.
We can offer no better or more appropriate il-
lustration the present week while calling Public
attention to the coming Annual Exhibition of the
"American Pomological Society," than to pre-
sent the Fac Simile of the Noble President of that
Society, and also one of its most prominent Foun-
ders and warmest Friends, and also one of the
early Founders of the "Massachusetts Horticul-
tural Society," at Boston, where the National So-
ciety holds its Meeting this year in honor of their
President and in celebrating the "Quarter Cen-
tury Festival" of the Massachusetts Horticultural
Society.

The likeness we present of Pres. Wilder is a
most excellent one, and will be quickly recognized
by all who have had the pleasure of the acquain-
tance of one so truly worthy, and one who has
done so much for the Science of Agriculture and
Horticulture as Pres. Wilder has done.
Pres. Wilder has now reached years more than
he usually allotted to man, and has labored more
than Half a Century in the cause he loves, and is
now past Seventy-five years of age yet hale, hearty
and strong, long yet may be live and prosper
to wield his potent influence for good.

AGRICULTURAL ADDRESS BY A LADY.
The Managers of the "Nebraska State Fair"
having invited a distinguished Lady Orator to de-
liver the Annual Address at their coming State
Fair we have the announcement of the same from
the Des Moines (Iowa) State Register. The subject
chosen by this Lady is a Grand one—"FARMERS
WIVES AND DAUGHTERS"—we anticipate an Ad-
dress worthy the subject and hope to receive that
Address, which we should be glad to publish.

The Register says:
"Madame Fletcher, Iowa's favorite platform
orator, has been selected to deliver the annual
address at the Nebraska State Fair, at Lincoln,
the first week in September. She has accepted the
invitation, and has chosen for her subject,
"Farmers' Wives and Daughters." This is a
happy selection for the success of our Western
neighbor's fair. It will bring thousands of visi-
tors to their exhibition and thousands of dollars
to their treasury. The women of our country are
as much interested in the success of our fair as
the other side, and it is right that they should be
put in prominent positions to carry forward such
enterprises, especially when the directors act as
wisely in selecting as our neighbors of Nebraska
have done.

SAN JOAQUIN WOOL GROWERS'
ASSOCIATION.

This New Association has prospered beyond all
expectation and nearly all the Stock has been
taken, as it is considered one of the Best Invest-
ments that can be made.
The Company have now nearly Five hundred
Shares on their Range, and more will soon
be added, all who wish to secure Stock must be
active, as it will soon be all sold.
Apply at the office, Stephenson Building, Corner
Montgomery and California, Room 15.

Eastern Correspondence.

For the California Farmer.
A TRIP OVER THE RAILROAD FROM
THE EAST.

BY CLARA ATHERTON.
I reached the "Golden City" last night—were
I to give a description of all that is interesting
between some Atlantic city and this place, it
would be necessary to stop two or three days at
each point of interest, in that case I should fill
two volumes the size of "Middlemarch," and af-
ter all, the facts would only be a repetition of
what has already been said—but I will go back
to the day I left my Eastern home.

Now, anybody knows that it is no trifling mat-
ter to get ready for a long journey—it would
never do to start right off with her wardrobe just
as it was when she made up her mind to go—she
must make some change, even if she tears up
some of her dresses and makes them over again.
Then there is the packing of her trunk, getting
it off, and the check safely in her pocket. By that
time she is nearly outfitted for the journey and its
responsibilities when she goes alone. Then comes
the good-bye at the door, the parting in the cars
with some whom she may see no more until she
meets them "Beyond the farwells and the
greetings." The signal is given—adieu to my
native shore—memory will often turn back to
these. Now we are off—I am alone, and must
"Gird on my armor and keep back my tears." I
look around, in front are two very large men
who might be a protection from the Mooses if in
that vicinity, at my right are two young ladies
with so much finery, fans and flustering that they
suggested butterflies—I meant to watch and see
where they lighted but forgot them.

The next morning we were at Pittsburg, stop-
ping long enough for me to call it the City of
Smoke. The journey from here to Omaha was
delightful—we passed so swiftly through those
rich, highly cultivated countries; that it seemed
like the rapid unrolling of some beautiful pan-
orams.

When crossing the Plains I watched the Ante-
lopes, and was much interested with the Indians,
whom we would find at some of the stations,
gazing into our windows with their painted faces,
reaching up their hands begging us to give them
something. At one place where we stopped for
supper we found quite a party of them with their
bows and arrows, one from his paint, feathers,
and air of command, was evident a Chief. To
please the passengers they fired at a target, for
which they were recompensed with trifling sums
of money, which delighted them very much.

Our train was a long crowded one, presenting
nearly all nations and classes, some of each
seemed to have stepped from the cars, and
there they stood like one family, the educated and
polished man of intellect beside his untutored
brother of the woods, the fair accomplished lady,
who from her cradle had been surrounded by re-
finement and mental culture, stood close beside
her dusky, dark haired sister born in a wigwam
and cradled in the forest boughs, with no more
mental training than the antelope her companion;
the gay frivolous butterfly of fashion and the
rough awkward but honest woman from some
Hoosier district.

It was a strange chance convention to which
the Indians had come as if by appointment, and
stood waiting for us with his bow and arrow.
The scene was impressive, it was a beautiful
quiet spot, and over all was thrown the light of
a gorgeous sunset.

Sherman is the highest railroad elevation in the
world, 8,242 feet above the level of the sea, I got
out to gather wild flowers which we found in that
bleak place. I had not thought or dreamed of
fatigue in those luxuriant sleeping cars, but the
extreme lightness of the air at that height, caused
a shortness of breath which quite prostrated
me for a short time, but stimulants soon roused
me, as soon as I could breathe the mountain air
freely I found myself with a keen appetite.

The scenery from Echo City for several miles
is wild and fantastic. The Weber river is seen
one moment flowing gracefully through some
lovely valley, the next deserting madly around
some mountain base—it seemed to be playing
hide and seek with the cars—first on one side of
us and then on the other—I don't know how
many times we crossed it. After changing cars
at Ogden we found it very cold, and were obliged
to have fires in the cars, I would have liked a
blanket such as I saw my lawny sisters wear.

I saw the sun rise and set amid the sublime
grandeur of those snow-crowded everlasting
hills. Language failed me there—Fancy stood
back in silence with folded plumes, while my
soul was filled with indescribable wonder, awe,
and reverence. The church service is religious,
elevating, and suggestive of all that is good, but
my heart devotional feelings are when alone with
Nature in her beauty and grandeur, oh, then it is
I feel that I am "Nearer my God to Thee."

When the perplexities of life and the dull
monotony of labor have wearied us, when the
soul is oppressed with the heavy burdens which
we in our blindness lay upon each other, then
we turn to Nature, and the flowers, the dew drop
and the sunshine, every thing, from the tiny
blade of grass to the towering oak, from the peb-
ble to the mountain, from the little brook to the
mighty ocean, each and all speak a mysterious
language which I have no words to describe, but
I can feel that its blessed influence is as sooth-
ing as the sweet lullaby with which a mother
rocks her sobbing child to sleep.

WALTER BROWN & SON'S WOOL CIRCULAR.
New York, August 1, 1878.

The month of July has developed a more set-
tled character in the Wool Trade than has existed
for a year past. Manufacturers have been some-
what encouraged by an increased demand for
their productions, and satisfied that prices of the
raw material have now reached a reasonable low
basis, they have shown a readiness to purchase
desirable Fleeces at quoted rates, which is quite
gratifying to the seller, who for so long a time has
found it a difficult matter to make his own views
correspond with those of the buyer.

The principal feature of the month was the
news from the London Auction Sales. At the
opening a decided advance was established, which
has increased as the sales progressed. The im-
mediate effect of this rise is a feeling on the part
of Wool dealers that for the present, the staple
would suffer no further depreciation, and for the
next few months values could be maintained. In
the country, however, quite an excitement follow-
ed the first advances of the advance, and many
operators raised their buying figures to the pre-
vailing ideas of the growers, in opposition to the
expressed judgment of Eastern correspondents,
have continued purchasing on a basis of 45 & 46c.
for Ohio Fleeces. At present quotations in some
border markets, Wools can be readily passed into
consumption, but there is not sufficient demand
to the Goods Trade to warrant any higher prices,
and at the enhanced cost of Fleeces, it now looks
as though a loss must be inevitable.

Most of the Woolen mills are now running on
fine goods, and the Wools required have been in
best request during the month. Dealers, convin-
ced that no material improvement is probably as
the season advances, have met the market right
along, thus avoiding any accumulation of this
class. For medium fleeces there has been only a
moderate inquiry, with values still somewhat un-
settled. Coarse and Common Wools are decid-
edly neglected, and except where they are wanted
for backing of fine heavy cloths, have to be sold
for very low goods or blankets, at correspondingly
low figures.

We are of the opinion that the next few weeks
will see no material change in the values of
Fleeces, and that country dealers will gain nothing
by holding back their purchases. In fact we think
they will rather help their interests by prompt
sales, and avoid loss of shrinkage, and the ex-
penses of carrying stock.

Receipts of Domestic Wool during the month
were: 11,365 bales and bags. Coastwise: Texas
1,720 bales; New Orleans, 600 bales; Savannah,
370 bales; other Southern Ports, 323 bales, 14-
278 bales and bags.

The Imports as reported are: Liverpool, 4
bales; London, 100 bales; Rio Grande, 336
bales; Maracaibo, 7 bales; Total, 247 bales.

TUB-WASHED WOOL.
Choice..... 51 @ 54
Fair..... 47 @ 50
Inferior and Butty..... 42 @ 47

PULLED WOOL.
New York City extra Pulled..... 40 @ 45
New York City super Pulled..... 40 @ 46
New York City No. 1 Pulled..... 35 @ 40
Western super and extra..... 38 @ 41
Country extra Pulled..... 43 @ 47
Country super Pulled..... 43 @ 47
Country No. 1 Pulled..... 38 @ 43
Canada Pulled..... — @ —

CALIFORNIA
Spring Clip, fine..... 28 @ 34
Spring Clip, medium..... 26 @ 31
Spring Clip, low grades and burry... 21 @ 25
Fall Clip, A. 1..... 20 @ 24
Fall Clip low grades and burry..... 17 @ 20
Extra Pulled..... — @ —
Super Pulled..... — @ —
Low Pulled..... — @ —

N.B.—Particular attention given to Consignments
Information by letter will at any time be cheerfully
given to all who may desire it, and any Wools con-
signed will receive prompt attention.

RAILROAD TRAVELLING.
We give on our outside page a complete List of
all the Routes of the Great Pacific, Western
and Southern Pacific Railroads, with Time
Tables complete, together with Steamboats and
Time Tables, all corrected and complete, for re-
ference, and all travelers.



Agriculture.

HARVEST FEAST.

The harvest song, the harvest song,
It rings in every home,
And young and old, the notes prolong,
The harvest feast has come.
Chorus.—The harvest feast, the harvest feast has come.

The glorious fields of waving wheat,
The golden sheaves of grain,
The toil and sweat of summer heat
Becomes now a pleasant pain.
Chorus.—The harvest feast, the harvest feast, etc.

And now the sheaves like armies stand,
To guard the harvest and the grain,
And now with joy we press each hand,
And sing the harvest strain.
Chorus.—The harvest feast, the harvest feast, etc.

A CAPITAL SERMON.

Diversified Farming has been strongly urged by this Journal for years, as a sure means of great success for the Farmers of California.

The following excellent article of *Profitable Farming* we take from our excellent Exchange the *German Town Telegraph*:

"There are two many men who put their all into a single venture, and if that fails are utterly ruined. There is perhaps no business wherein a 'two strings to one's bow' are so important as in farming. Other pursuits have certain rules which have been founded on experience, and which the shrewd man of business can take advantage of with an almost assured certainty of success. But we can not do this. We can not tell what will happen to our crops. Sometimes it will be over-dry, sometimes over-wet; sometimes we are plagued with swarms of insects; at other times we are afflicted with blights and mold. Against none of these things do we ever get the slightest hint. But we have dwelt on this, recently, in speaking of the value of diversifying our products. Trouble never strikes everything alike. Some will succeed. But, independently of all this, the young farmer should never be cast down by misfortune. It is here where so many fail. We know one, once, who had made by city work some \$8,000. He had originally been brought up on a farm, and had always made up his mind to return to it as soon as he had accumulated enough to warrant him in making a start. But he put away two thousand dollars, and invested only six in the farm and stock. It so happened that the next two years found him in terrible losses; that they brought experience, and he fell back on his small reserve, and this, with his new experience, gave him a new and good start. It is not so long ago, but he now considers himself worth about twenty-five thousand dollars, and is one of the most ardent advocates of the proposition that farming will pay."

AGRICULTURAL, MECHANICAL AND OTHER FAIRS.

Each of the States many of their Counties, and not a few of our American Towns, now hold annual, or semi-annual fairs and exhibitions, which call the people together, and afford them information, recreation and education. One brings the best specimen of wheat—the staff of life—and states the kinds of seed, soil, fertilizers, and cultivation, which secured for him such excellent results. Another exhibits the best corn, rye, oats, barley, peas, beans, potatoes,—after our "model"—beets, turnips, apples, pears, plums, canned fruits, jellies, etc., while the implement makers show the best plows—single, gang, side hill, reversible, and steam, harrows, hoes, churns, washers, wringers, etc. What a rattling and clattering they make, and how interested all the men, women and children become! Is not this mixing and mingling of mind with mind healthful? Is it not pleasant and profitable? Then look at the great mountains of beef, the adipose pigs, the gentle and white faced sheep, the coops of choice poultry with healthful names; then, look at these agile, graceful and beautiful horses, how proud, confident, submissive and willing! Oh, that they might escape the abuse which low, ignorant and wicked ruffians sometimes inflict on them; the cruel spur in their sides, the cutting lash, or bruising club, or heavy boot with which they are often kicked! Oh, for a kind Rarney in every stable. Then the racers, gambling, drinking, and fighting! These are the excrescences, the perversions, the abuse and evils—none of them necessary—which are met with at public fairs and exhibitions. Why not correct them? But, as in most conditions of life, the good greatly preponderates over the evil. We may take courage and push on, always thanking God for the blessings enjoyed, and that matters are no worse. Then gather together your specimens, those who own, and place them on exhibition. May we be there to see!—*The Science of Health*.

SHEEP KILLING DOGS.

"I would like to keep sheep on my hilly farm," writes a correspondent, "There are three remedies: 1. If there is a law on dogs in your State so that it is enforced in your neighborhood. 2. If there is no dog law in your State vote for no man who will not pledge himself to do all he can to have one enacted. 3. Let the sheep men in the neighborhood form themselves into an association. Let nothing be done to gratify personal spite; but if a suspicious dog is found prowling about the farm shoot him. Then, if the owner can prove damages, let the association pay him and repeat the process. City and village dogs must be taught to stay at home. They are often abused and half starved, and it would be a mercy to give them one good meal of mutton, with a liberal allowance of strychnine in it. The neighbors might be told that this feast was provided solely for visitors, so that they can keep their dogs at home. A good plan to adopt is, when a sheep dies, dress it and wash it with water containing a few table-spoonfuls of crude carbolic acid. It will preserve the meat for months. Cut it up into joints and hang it up, and you will always have a piece of mutton on hand for a hungry dog that may visit you from the city or village or swamp. If this work is done systematically and constantly it will have wholesome effect. It is rarely that a well-bred and well-fed dog attacks sheep, and it is not often that such dogs wander far from home at night. If there are any good dogs in the neighborhood inform the owners of the fact that you have set a trap for the half starved prowlers from the city, and that they had better fasten their up at night. In this way no harm is likely to be done.—*American Agriculturist*.

The man who "sticks" to his business—The drummer.

THE FARMERS' MOVEMENT.

Constitution of the Order of Patrons of Husbandry, and By-Laws of the National Grange, Adopted at the Sixth Annual Session of the National Grange, January, 1873.

PREAMBLE.

Human happiness is the aim of earthly ambition. Individual happiness depends upon general prosperity.

The prosperity of a nation is in proportion to the value of its productions.

The soil is the source from whence we derive all that constitutes wealth; without it we would have no agriculture, no manufactures, no commerce. Of all the material gifts of the Creator, the various productions of the vegetable world are of the first importance. The art of agriculture is the parent and precursor of all arts, and its progress the foundation of all wealth.

The productions of the earth are subject to the influence of natural laws, inviolable and immutable; the amount produced will consequently be in proportion to the intelligence of the producer, and success will depend upon his knowledge of the action of those laws, and the proper application of their principles.

Hence, knowledge is the foundation of happiness.

The ultimate object of this organization is for mutual instruction and protection, to lighten labor by diffusing a knowledge of its aims and purposes, expand the mind by tracing the beautiful laws the Great Creator has established in the universe, and to enlarge our views of creative wisdom and power.

To those who read aright, history proves that in all ages society is fragmentary, and successful results of general welfare can be secured only by general effort. Unity of action can not be enforced without significant organization; hence we have a ceremony of initiation which binds us in mutual fraternity as with a band of iron; but although its influence is so powerful, its application is as gentle as that of the silken thread that binds a wreath of flowers.

The Patrons of Husbandry consist of the following:

ORGANIZATION.

SUBORDINATE GRANGES.

First Degree—Laborer (man), Maid (woman).

Second Degree—Cultivator (man), Shepherdess (woman).

Third Degree—Harvester (man), Gleaner (woman).

Fourth Degree—Husbandman (man), Matron (woman).

STATE GRANGE.

Fifth Degree—Pomona (Hope).

Composed of Masters of Subordinate Granges and their wives who are Matrons. Past Masters and their wives who are Matrons shall be honorary members and eligible to office, but not entitled to vote.

NATIONAL GRANGE.

Sixth Degree—Flora (Charity).

Composed of Masters of State Granges and their wives who have taken the degree of Pomona. Past Masters of State Granges and their wives who have taken said degree of Pomona shall be honorary members and eligible to office, but not entitled to vote.

Seventh Degree—Ceres (Faith).

Members of the National Grange who have served one year therein may become members of this degree upon application and election. It shall have charge of the secret work of the order, and shall be a Court of Impeachment of all officers of the National Grange.

Members of this degree are honorary members of the National Grange, and are eligible to office therein, but not entitled to vote.

PROVISION IN FOREST TREE CULTURE FOR MINOR HEIRS.

I cannot help believing that there must be a very large profit in settling our abandoned lands in any or all the following named trees: Hickory, pecan, ash, walnut, cherry, sugar maple, yellow locust and orange. The three first are in great demand for handles for cutlery, the three following for fancy work of all kinds, and the two last for the construction of wheeled vehicles. If Tennessee is ever to be the great manufacturing center we hope for, her forests must be preserved from further wanton destruction, and also an additional supply of valuable woods planted for posterity. An old field, getting poorer every day, almost worthless now, sown up by the taxes and compound interest, may not be an enticing inheritance to be delivered twenty years hence to the infant of to-day. But send it with trees and crops it with a seed of grain, and let those grow up with the child; then a few acres will be a fortune to commence with. Certainly any father, imbued with a decent share of pride and humanity, would feel happy to know that his wisdom, foresight and energy had thus so easily rendered his child free from the necessity of half a lifetime of ceaseless toil, in order to procure the comforts of life. It is a provision of especial importance to young daughters, for it needs but little if any attention after the first three years—commence to grow as they do, is subject to no calamities, and they cannot be swindled out of it. Certainly these virtues are greater than can be claimed for any sort of bonds or bank stock, and appeals to the rich father as well as the poor one.—*Stacy T. Griswold, M. D. in Rural Sun*.

(This plan is an excellent one for our thousands of acres of waste lands in California, let owners look to this subject and try it!—*Ed. F.*)

FIVE HUNDRED SHIPS WANTED.

Five hundred ships wanted in the harbor of San Francisco the present year to carry away the surplus grain of our State. Here is a chance for shipowners in every part of the world to secure ready freight for their idle ships. We advise them to give orders to their ship captains wherever they may be, to make for San Francisco and load with grain; here they are sure of freight. We want five hundred fast clipper ships of a thousand tons each, for we have half a million tons of wheat ready for shipment as soon as your ships come. Ships are now getting \$4 to \$5 freight, where last year the rate was \$5, and even more. Even at the lowest rate it would ensure a freight of \$16 to \$30,000 freight for a ship. We hope this notice will be posted up in every merchant's reading room in the land, for California wants all the good ships she can have and will load them all.

MANAGEMENT OF THE SURFACE-SOIL.

(Robert Wilson, Esq., a truly practical Cultivator, writing to the *California Horticulturist*, gives the valuable counsel, which it will be well for all our Cultivators to remember. This sketch shows the observing mind of Mr. W., his sketch will prove of great value.)

Mr. Wilson resides at Vallejo, and is a good and practical Cultivator of the soil there;—*Ro. F.*

A narrow strip of ground along either side of a fence erected on my own premises last spring, having been trodden down and the surface thoroughly impacted by the feet of the workmen lagged in putting up the enclosure, was found to be quite damp when dug into along in the summer, while the ground by the side of it, which, like this strip, had been deeply spaded up during the preceding winter, was perfectly dry as far down as it had been disturbed. I was engaged in two cultures in Santa Cruz, and had there a very different experience, having found that the more loose and open the surface-soil was kept, the greater its capacity for absorbing and retaining moisture. The explanation of these different results is found in the fact that the atmosphere in the vicinity of Santa Cruz, owing to proximity to the ocean, retains even in summer a large share of humidity, which the porous condition of the ground enables it to readily absorb, keeping it thereby in a constant state of moisture; whereas, ground near Vallejo, being too far inland to be much affected by the sea air, is in better condition to retain the moisture with the surface somewhat impacted. Hence the advantage of passing over it a heavy roller after it has been sown or planted. Bearing this fact in mind, cultivators of the soil, whatever branch of husbandry they may be engaged in, will be governed accordingly; the principle here enunciated is all-controlling, and should never be lost sight of; being equally applicable to the raising of vegetables, wheat, or other cereal crops, as to the culture of plants and trees. The soil should, of course be thoroughly pulverized in all cases, the surface alone being impacted with the roller where the drought is such as to indicate this mode of tillage.

COOL WATER FOR THE HARVEST.

One of the great discomforts of the harvest field, where ice is not used, is the mawkish warmth which the drinking water acquires, after being carried out to the field. This may be easily obviated however and a cool draught always be had. When the water is carried in large jars, all that is necessary is to envelop them in several folds of coarse cotton or linen cloths, kept constantly wet. The evaporation of the moisture in the cloths, keeps the vessel perfectly cool, and just in proportion as the evaporation is fast or slow. Thus the evaporation of either or other exceeding volatile substance in a draught is sometimes employed as an experiment to freeze substances in the hottest weather. And the experiment may be made, in a degree successively wetting the finger and holding it up in the breeze. If a harvest be large and a barrel be used, it should be more thickly enveloped with cloths, and whatever vessel be used it should be carefully shaded, but is better if exposed to the air. Whenever water is taken for drinking, enough should be poured on the cloths to keep the evaporation perfect.—*Express*.

THE CABBAGE WORM AND PARASITE.

We have made extensive inquiries concerning this subject, and we find that the matter stands about as follows:—The insect was introduced into the United States over ten years ago. It spread slowly at first for a few years, and then very rapidly, until its parasite appeared and checked its ravages.

The first notice we had of the parasite was in the vicinity of Boston, in 1869, when a correspondent described them as being a little golden fly, about an eighth of an inch in length, which attacked the cabbage insect when in its chrysalis state, puncturing it and depositing eggs in it, which soon hatch into little white grubs. These eat the inside out of the chrysalis and destroy it. As the butter-flies are short-lived insects, several changes from egg to butterfly are made each season, and the parasite has a better chance to live upon it. Mr. P. T. Quinn says that the parasite made its appearance around New York, the second year after the worm, so that little damage has been done to the cabbage crop since. "He thinks it is sure to follow the worm the second year." If any of your correspondents know anything further in regard to it, we should be pleased to hear from them.—*Cor. Country Gentleman*.

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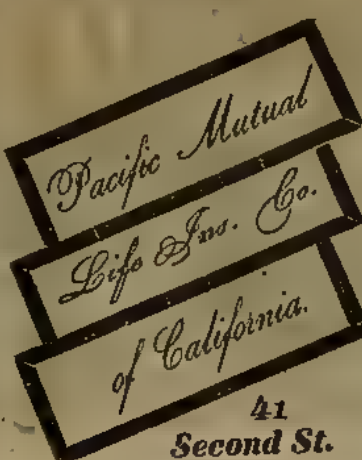
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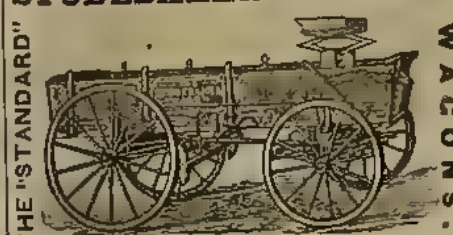
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TROTTER STALLION, NAUBUC.

This extraordinary Brooding Stallion is 15 hands 2 inches high, in color Clear Jet BLACK, his weight is 1680 pounds. Naubuc was bred by Toronto Chief, out of the famous ten-mile trotting mare Gipsy Queen. Toronto Chief was the first horse that trotted a half mile a race of 18 1/2; he beat Commodore Vanderbilt in three straight heats in 2:25 1/2, 2:23 1/2, 2:21 1/2. George Bidwell, who owned, trained and drove Gipsy Queen, claimed that she was by Wagner, out of a mare by Glencairn, and in her last top mile race with Capt. McGowan was beaten less than a length in 2:11. Naubuc's sire, dam and full brother, Thomas Jefferson, with a record of 2:35 1/2, are all famous on the Turf, and in the end, which unifies this horse to special favor among the breeders of this State. Naubuc will stand this season at the Naubuc Farm, San Lorenzo, Alameda county, the season ending July 1st. Terms, \$50 for the season. For particulars send for circular to 39 1/2 637 California street, San Francisco.

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For MILK COWS it is particularly valuable, increasing the quantity of milk and improving its quality for the most excellent butter. A suitable quantity for them at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other feed generally mixed with the meal of bran, hops, roots, or any kind of any kind. It improves it to make it for six or eight months to be in every respect the most profitable feed known for stock of all kinds—one ton being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Machinery, Kings Street, near Third. All orders will receive prompt attention. Address—

FOR BEEF CATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed and no feed known will so quickly prepare animals for market as Oil Cake Meal.

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These Goats are of superior form and beauty, and

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finest TREE and SHrub Seeds of Rare

and Value. Send orders to

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Horticulture.



THE ENGLISH HOLLY.

[In the *Gardener's Chronicle* of England, about Christmas time, we find the following article on the "Holly," a tree which we are glad to say has been recently introduced into our nurseries, and one too that ranks among the finest, cleanest and most beautiful of all trees, an evergreen also. Among the varieties are the Gold and Silver Leaf, very beautiful, while the superb blossoms of Ormiston, White, and Rose color, and their berries form one of the finest Ornamental Trees that can be grown. We hope to see this tree largely cultivated in our State, and for this reason we give this sketch now.—Ed. P.]

As we write these lines, cart loads of holly are passing our windows, Mistletoe pours into our great metropolitan markets by the ton, and Spruce Firs, in quantities sufficient to form a veritable Wood of Broom, are carried by our doors. Away in the country, shrubberies have been ruthlessly despoiled of their stores, the orchards of Somerset and Worcester, of Normandy and Brittany, have yielded their stores of Myrtle Mistletoe, and nimble fingers are gaily stitching and tacking and nailing the leafy devices which are to quicken our thankfulness, gladden our hearts, and testify that even in the gloomiest of mid-winter hope and joy and good fellowship are to be found among us.

If we remember that there is nothing in the spelling of the words "hollyday" and "holyday," to justify our pronouncing the former as if it were spelt holiday, and that this pronunciation is solely determined by custom, it will not be difficult to believe that what we now call the Holly Tree was by the earlier writers upon plants spoken of as the "holly tree." But if we go back to the Saxons, we find "Holega" is the Holly tree, while "hally" is holy. In Anglo-Saxon times, too, the Holly was, according to Dr. Prior, called "ele-beam," or oil tree, from its branches having been used for Olive branches and strewed before the image of Jesus, in certain solemnities of the Church that represented his entry into Jerusalem. It is evident that the frolicking branches of the tree have long been in use for religious festivals amongst many northern nations in Europe, since we find it called Christmas in England, Christ-don by the Germans, and Christ-don by the Swedes and Danes. Doubtless its "thorny leaves, and berries like crimson drops," have been regarded by Christians in all times as symbolical of an event, which they thankfully keep in remembrance.

We all know how extensively the branches of this tree are used for decoration at this season, both in houses and churches, both with berries and without berries, although there is no Scriptural authority or warrant for its use, since none of the kinds grow in Western Asia, and it is not one of the trees mentioned in the Bible.

A NEW LATE PEACH.

Under the name of *Pêche Belle de Saint-Geslin*, a new Peach is described in the last number of the *Revue Horticole*, as the latest ripening kind known to French cultivators. The stock from which it sprang was discovered some years since growing amongst the ruins of the old tower of St. Geslin, near Richelieu (Indre-et-Loire). The discoverer (M. Jouton) finding that it fruited much later than any of the other kinds he possessed, continued to propagate it. The quality of the fruit is excellent, the flesh being very melting and sweet, but a slightly perfumed flavor. It is also of large size and handsome appearance. Its chief merit, however, is that it ripens as late as the beginning of November, somewhat later than the *Salway* Peach. The tree is described as a vigorous grower, with long stout branches covered with bark of a uniform blood-red. Leaves long, oval-lance shaped, very finely toothed. Flowers like those of *Grosse Mignonne*.—*The Gardener*.

DESTROYING ANTS.

A French agriculturist, after trying every method known to him for the destruction of ants infesting his fruit trees, succeeded in effecting his purpose in the most complete manner by placing a mixture of arsenic and sweetened water in a saucer at the foot of the trees. For the larger species he made use of honey instead of sugar, and in a few days' time he claims to have exterminated them completely.

Another Remedy.—Fill small vials two-thirds with water, and add sweet oil to float on the water to within half an inch of the top. Plunge these upright in the ground, leaving only half an inch standing out, near the nest or runs of the ants. The ants will come for a sip, and go home to die. No insect can exist with oil stopping up its spiracles or breathing pores.

GRUBS, KEEP THEM AWAY.

This is a good season to pass through the fruit garden and orchard, and throw a handful of salt around the peach, apple and pear trees, scattering it close around the trees. It keeps grubs away.

A small boy or girl will make quick work with the grub by digging the surface soil away, and working out the grubs with a sharp wire and knife, after which throw a handful of salt and unleached ashes close around the tree.

If you are short of ice this warm weather, you can get a nice cake at the photographer's.

THE CENTURY PLANT.

The San Jose Mercury of the 17th of July, says:

"The Century Plant on the premises of Mr. Lee, now stands thirty-six feet high, and has about forty bunches which contain upwards of a thousand buds. The young plant on the same place is three feet high and has ten large buds which are as far advanced as those on the large plant. Upwards of two thousand persons have registered as visitors to these plants."

The Express adds:

"The denizens of San Jose are paying twenty-five cents apiece to see a Century Plant in bloom. There is scarcely a month in the year but one of these plants can be seen in full bloom in Los Angeles."

This remarkable Plant, so general understood as blooming only once in a hundred years, as a general thing here in California it blooms at from 10 to 15 years after planting, and if more attention was giving to it, would bloom in from 6 to 10 years.

This Plant (The Agave Americana or American Aloe) is one of the most desirable plants that can be found to place in large open lawns or Parks as a show plant, it is a clean and showy plant always during its growth, it is also a fine Hedge Plant, and will prevent Horses or Cattle from breaking in or out—it should be grown more extensively.

THE BEST TOMATO.

James Vick in his last *Floral Guide* says:—"The best tomato in existence to-day, I believe, is Hattaway's Excelsior. This opinion has not been formed hastily, but after three years trial in my own grounds, and after receiving reports from all parts of Europe and America, where I have sent it for trial."

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During the last Session of Congress a bill was passed which curtailed very much the sending of Seeds and Plants by mail as it changed the law which allowed sending packages of four pounds, and restricted it to parcels of only 16 ounces. This act was so universally condemned that memorials and Letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, &c., at the old rate of 8 cents per pound.

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Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles or merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be five per cent, together with the cost of packing, freight, drays, etc. Orders should inclose a satisfactory reference or the Cash; or bills could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

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Of the best kind.

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care, where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and best system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

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TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments, only charging interest at the rate of 5 per cent, per annum. Freight at the chartered price paid the ship, Insurance and other charges at the lowest rate obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

J. C. MERRILL & CO.,

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To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill, receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes, there is one essential *Pre requisite* that is important.

OUR TERMS are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

THE CALIFORNIA FARMER, SAN FRANCISCO.

THURSDAY EVENING, AUG 21, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

380 Clay Street—Marble Building—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM.

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a good library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences, with a Cabinet of Minerals, Coins, and Curiousities of Interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to afford the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

J. M. PITTENGER & Co., 10 State Street Boston 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities and authorized to contract for advertising at our lowest rates.

Editor's Chair,

Trip over the Railroad—Our New Correspondent "Clara Atchison" gives a very pleasant and interesting Letter of her "Trip over the Railroad" to our "Sunny Land." We may have many sketches from the same source.

Sins Against the Body—A valuable Essay on this subject this week we copy from the *Sciences of Health*, should be read by all who value health.

Our European Letter—France is doing a great work for the Agricultural Interest by Agricultural Schools, scattered broadcast over the land, also her laws for the protection of Stock from disease from abroad, and also in Bounties upon all Industries. This explains why her Resources are so great. France is an exemplar in developing the Resources of the people.

Science of Health—The August Number of this excellent Periodical for August comes to us full of valuable Essays and matters about Health—this is truly a most valuable Family Journal.

NEW YORK WOOL TRADE.

New York is the great Centre of the Wool Business in our Country, although Boston, Philadelphia, and some other places claim a very large trade in Wool, and have it also.

Among the many "Wool Merchants" with whom we correspond, we can always refer with pleasure to the large and responsible House of Messrs. Walter Brown & Son, their many years of experience, their thorough knowledge of all the Markets of Europe and of our Union gave them great advantages of sales for those who gave them their business, and we can most cheerfully commend their House to all our Wool Growers and Shippers who desire to realize the best market prices.

THE HARVEST SONG THIS WEEK.

This happy Song on our 170th page appears in the *Lower Homestead* of the 8th—this would be a capital Song for our "Granges" to open their meetings with, and wake up the true spirit of the Farmer's interest at this Season of the year.

Now that woman takes her place in the Granges and uses her best influences there, her voice would spirit all present, and give that cheerfulness and life so much needed at such gatherings.

Valuable Tide Lands.

One hundred Acres of very Valuable Tide Marsh Lands all well located and can be securely Leased and made ready for cultivation at a very moderate cost.

This land is near to tracts of upland suitable for Grazing, and for the Building, so as to make a good farm, this also can be purchased at a moderate cost.

The past year has Grains, both Wheat and Barley was grown upon this land, of which samples can be seen at this Office, this is proof of the value of this land. Other Crops been raised the past Season, Vegetables of all kinds produce large crops, and even when planted late they produce abundantly.

This tract of land is worthy of special attention of any person who wishes a good bargain as it will be sold very reasonable if applied for soon.

These lands are now being fully appreciated, and are considered as among the best lands of our State, and in a few years will be held at very high figures.

Persons wishing to buy can learn all the particulars and prices by addressing S. D. Set California Farmer & Co.

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WHAT OF THE HARVEST NO 7

The recent rise in the price of wheat has revealed the quantity that has been grown the past year as it has drawn out large quantities that otherwise would not have come forward at this time, but for this late rise, as many holders had made up their minds to hold till it should approximate to \$2 the cental, that probably reason of the speculative movement having been reached the market quickened, speculation began and the price reached and passed that figure, and has gone so far beyond by reason of speculation that a reaction has begun, and the price recedes again. Our Farmers should keep themselves posted closely in Freight Rates to Liverpool, this would help them in knowing the value of Wheat for Shipment to Europe, for the difference between 25 the ton which has been paid this season earlier by contract, and the present rate \$3, 10c. is \$7,50 or equal to \$7 1/2 per cental an actual gain of value from 1 1/2 to \$2 for shipping purposes.

We still hold to the opinion that there is much more Wheat been raised this year than many suppose and that the amount on hand and in the interior Warehouses is quite large, although a large amount has gone abroad thus far in August, recently quite large shipments.

The shipping lists Report Twenty-two Carriages gone abroad thus far and the same number of Vessels on their berths ready for loading, this is nearly equal to the rapid work, this shows well for our Harvest, the value of this Wheat being nearly One and a Quarter of a Million Dollars to Wheat alone, while Flour and a large amount of Barley would swell the amount to over One and Half Millions of Dollars.

AN ABUNDANCE OF WHEAT.

The *Independent* of the 11th inst., says:

It is evident that the Wheat product of San Joaquin County for this season will be as good, if not greater than last year. While the crop in some portions of the county was seriously injured by the drought during the latter part of the season other portions of the county will produce much more than ever before. For the last few days our streets have been filled with wagons loaded with Wheat, and it is estimated the daily receipts from all sources will average six hundred tons. The warehouses are being rapidly filled, and large quantities are being shipped by schooners to San Francisco. Prices continue firm, and the farmers are much elated at their prospects. It is also an acknowledged fact that Stockton is the best Wheat market on the coast. The superior warehouse facilities and means of cheap transportation are beginning to be appreciated, and our grain dealers are consequently securing control of most of the grain raised in this portion of the valley. Stockton should be the great grain mart of California, and it should be the business of the people to offer every inducement to the farmers throughout the valley to bring the grain to this point, and every facility should be afforded so that it might be quickly and cheaply handled.

Again, on August 8th, the same paper says:

Wheat is arriving in the city at the rate of nearly six hundred tons per day. A large number of teams from points a few miles from the city arrived yesterday, and many of them unloaded on the wharves, where the wheat was immediately placed on schooners to be taken to San Francisco. Twenty-four car-loads arrived from the vicinity of Farmington, and the previous evening nine car-loads came in from the Visalia Division of the San Joaquin Valley branch of the Central road. On Wednesday a heavy train of cars, all loaded with the Stockton and Visalia road, came to the water front. From August 1st to the 7th, inclusive, ninety-three car-loads have been brought to the water front by the trains operating on the Stockton and copperopolis and Stockton and Visalia railroads, and during the same time thirty car-loads from the Valley road have been brought into the city, making the total amount of wheat received by railroad 1,230 tons. The amount now stored in the warehouses is estimated at ten thousand tons, and a considerable quantity has accumulated on the wharves. The wheat business of the season has only begun. In the course of another week we may expect to see a rush, when the warehouses will be rapidly filled up.

The *Sacramento Bee* of the 23d, says:

A correspondent writing from Mingo's Landing, on the San Joaquin, speaks thus of the crops on the west side of that river, the gathering of which has commenced in earnest: "The result proves how short-sighted would be wisecracks as to in many places where it was confidently asserted that the crop would not pay for gathering, it foots up from 25 to 30 bushels to the acre, and the grand total, instead of discouraging, only stimulates to greater activity, and larger calculations are now being made for grain growing next year, than ever. A large number of teams are at work hauling grain to all the shipping points on the river, and I fear that many of our farmers will be disappointed in getting their crops to market by means of water transportation. The river is falling rapidly."

POLITICS! POLITICS!! POLITICS!!!

Our "Citizens seem to be infected with a Mania for Politics, and to us it seems to be, parties without principles, for the one party, says their opponents are men void of honor or character while the opposite party say their opponents have long been known to be entirely corrupt and void of principle or of character, and with such statements in our leading Journals what can those who are not familiar with the candidates do?

In our own experience of a long life we have never seen or read of so much vituperation, personal abuse, and disgraceful Speeches by partisans and by the Candidates even for high office, we feel that our State, City, and every District should blush with shame to know that men who are Candidates for high public office can descend so low as to use so much vile personalities as fill the columns of our City and Country Journals—it is a disgrace to the Candidates, to the party, and to our State.

THE GRAND HORTICULTURAL EXHIBITION.

We have received a very warm and welcome Letter from Hon. M. P. Wilder, President of the American Pomological Society, speaking again of their coming Great National Show of Fruits which takes place at Boston, September 10th, to close on the 13th day.

This is the Fourteenth Session of the Pomological Society, and is held at Boston this year in honor of their Noble President, and of the occasion of the Twenty-fifth "A Quarter Century" of the "Massachusetts Horticultural Society's Celebrations."

President Wilder earnestly hopes that California will be fully represented by her Citizens, and the Fruits of this wonderful land. We take a few words from his Letter to us personally—they are so kind and generous—we give them deeply regretting we cannot accept his generous invitation. We take the following concluding paragraph from the very kind Letter of Mr. Wilder which shows his earnest devotion to the cause to which he has given his life interest.

Be kindly urges us to "Come Home," and says:

August, 7th, 1873.

Oct. WARREN,

Mr. Dean Sir:

"Will you not come to this meeting? We should all be glad to see you at the 'Old Homestead' I wish you would WAKE UP CALIFORNIANS to the duty of sending us the FINEST FRUIT THE WORLD AFFORDS."

Ever yours,
MARSHALL P. WILDER."

EASTERN AGRICULTURAL EDITORS AND ARTISTS COMING TO CALIFORNIA.

Soon our State is to be visited by a large Delegation of the Editorial Brethren of the East, and Sisters too, who come to enjoy the Fruits and other Luxuries of our Golden State.

The delegation now approaching is the largest and most influential of the members of Journals they represent of any body that have yet come to California, representing as they do Twenty-five Journals, Agricultural, Literary, Religious, Artistic, and Scientific, and heralded as the Leading Journals of our Union, and institutions they represent.

We give the list reported to fall:

R. P. Eaton Esq., Editor *New England Farmer*, Boston.

K. A. Willard, Esq., Daily Editor, *Rural New Yorker*, New York.

Thomas Mehan, Esq., Agricultural Editor *Philadelphia Press*, and *Gardner's Monthly*, Philadelphia.

Andrew S. Potter & Wife, Associate Editors *Rural New Yorker* and of *New York Sun*, New York.

Joseph Hoopes, Esq., Pres. Pennsylvania Fruit Growers' Association, and Correspondent of *Journal of the Farm*, Philadelphia.

Henry T. Williams, Esq., Agricultural Editor *New York Independent* and the *Horticulturalist*, New York.

S. R. Wells, Esq., and Wife, of the *Phrenological Journal and Science of Health*, New York.

David H. Strother, Esq., Artist and Correspondent of *Harper's Magazine*, and *Weekly*, New York.

M. L. Dunlap, Esq., and Wife, Agricultural Editor *Chicago Tribune* and President of the Horticultural Society.

W. P. Thompson, Esq., and Wife, Represents the Department of Agriculture at Washington.

T. S. Gold, Esq., and Wife represents *New England Homestead*, and Connecticut State Board of Agriculture.

S. A. Ellis, Esq., Correspondent *American Ruralist*, at Home.

N. J. Colman, Esq., and Wife, *Rural World*, St. Louis.

W. Ulitt, Esq., represents *Country Gentleman*, New York.

Arthur Lumley, Esq., represents *Harper's Weekly*.

Miss M. W. Warren, represents the *Gazette*, Northampton, Mass.

Miss Kirkland represents the *Evening Post*, New York.

Miss Mary L. Olney represents the *Times*, Troy, N. Y.

Rev. J. W. Tack represents the *Daily Bulletin and Weekly Courier*, Norwich, Conn.

G. O. Woolson, Esq., represents the *American Agriculturist*, at Home.

O. D. Evans, Esq., represents the *Village Record*, Westchester, Pa.

J. E. Lellan, Esq., and Wife represents the *Out West*, Colorado Springs, Col.

Prof. A. H. Mixer, Democrat, Rochester, N. Y.

B. K. Bliss, Esq., represents the *New York Rural Club*.

Clark W. Bryan, Esq., and Wife, *Daily Union*, Springfield, Mass.

In this large and influential Delegation Eleven Ladies come to our "Sunny Land" to see, hear, and enjoy the wondrous Views that Nature spreads out before all who worship at her shrine, and who appreciate the Beautiful things of Earth.

We are truly glad to bid such comers to our State a hearty welcome, and hope our citizens will be ready to receive them, and do all they can to make their visit one they shall long remember, and only with pleasure and satisfaction.

THE VALUE OF GOOD EYE-SIGHT.

When the human Eye fails of seeing clearly, it is all important that only a safe remedy should be applied, and that would be, to apply to an Optician that understands the nature of the eye and its condition when help is wanted, so that proper glasses shall give aid to the failing eyes.

C. Muller is the True Optician, years of study and the practical applications of his knowledge enables him to furnish the very remedy needed and safely too.

Mr. Muller is the best Optician, his store is near Bush, on Montgomery.



RAILROAD SLANDERS.

"The God of Battles smiled—Justice triumphed,
The Stars and Stripes, Columbia's Sacred Flag,
Like Eagles plumed flutter'd to the breeze."

Who does not remember the day when the "Central Pacific Railroad" completed its great work, opened through the mountains first, beating the "Union Pacific Railroad" so handsomely and laying the Rails at the enormous rate of Ten Miles run a day, a feat Hercules, and never before accomplished by any other Company on the Globe, and probably never will be again, it was the Emblem of "California Energy."

Who will not also remember the host of men that "Shouted" and "Hurrah'd" that day over this great and Triumphant Enterprise, Men, too, who received the courtesy of the City of Sacramento, and of the Railroad Managers, and who toasted them, and then proclaimed them worthy of "All Honor and Praise."

Where do we find many of these men to-day that were Shouters that day? We can look through the Columns of our Daily and Weekly Journals, and read with deep regret, and with shame too, the change of principles in all such apostatizers, or we see the vast, the abundant good that has been done to our State, to all its Industries and all its Interests, but we cannot see why this Blatant trade, this war cry of slander, and of personal abuse should be heaped upon those who a few years ago were then the recipients of so much Honor and Praise.

Who dares deny that the Central Pacific Railroad has not been the very Salvation of our State? what could possibly have given to our State the vast business of "Japan and China" but this Great Avenue by which the *Teas, Silks, and other products* of the "Asiatic region" could be quicker, cheaper and better transported through our State to our Eastern Cities and to Europe than by any other route.

Who dares deny that the Interest of our vast "Wheat Fisheries" have been greatly promoted, our City and State, greatly benefited by the same facilities, offered by the Railroad in sending the "Oil and Bone" to the East and permitting the Ships to rest on tagline here.

Who dares say that the vast opening offered to our producers here for the Shipment of our Flour, Wool, Wine, Fruits, Hops, and many other Products has not been of immense value and a vast saving to our State, an amount that would tell in Millions of Dollars.

And who dares say that our "Grain Growers," "Vine Growers," "Wool Raisers," "Fruit Growers," "Vegetable Raisers," in fact all our producers have not been vastly benefited by the facilities offered to them by the Railroad, of a rapid and safe conveyance—cheaper than ever before of all their produce to the markets in every section of our State?

Who dares say either, that they are not conveyed to and fro, from city to city from one end of the State to the other, quicker, easier, and at much less cost than ever before, since California became a State?

Again, who dares say, we ask, that the Managers of the Central Pacific Railroad have not paid out more wealth (Counting in Millions) to laboring men than all others or more than all the Corporations of our State, thus supporting hundreds, nay thousands of families and thus giving business to all the traders in our State wherever the line of Railroads reach.

We might write pages more upon this subject, for we are pained and indignant at the great and grievous wrong daily and continuously poured out against the Railroad Managers, and *Monopolists* (as they are called, and one of our Journals recently said there was but *One Newspaper* in our State, (the *Record*) that dared say one word in favor of the Central Pacific Railroad or its Managers.

We ask that Journal is there but *One Journal* that does do Justice? that dares to give due credit to these Managers for the vast good they have done?

We will answer for ourselves! We dare and have always dared, and although we are not subsidized, as these abusive Journals charge all who dare defend the right! we know the good the Railroad has done and we are willing to accord to them all due honor.

We can also, name the name the "Commercial Herald" of this city that has published many articles that were just and true in defence of these Managers and their great work.

We have been an advocate of Railroads since 1852 in this State, and worked hard to start the first at Sacramento at a heavy cost knowing the need of them to develop our State, and from the first word of a Pacific Railroad we have advocated it in our Journal, and probably as much as any Journal in the State, worked in good earnest too, in the days when our City papers talked loudly of the *Quick Flat Swindle*, and yet for these services we never asked, sought, expected, or received one penny, nor any other reward than the consciousness of doing what we esteemed our duty for the State's best interest.

We did not write as a *hiredling* for pay, We are led to these remarks at this time from a strong sense of duty—we dares not will not forget our early faith and regard for the true interests of our State and these are fortified with the Railroad Interests.

We are also called upon by a sense of duty we owe ourselves, as a friend and advocate of Railroads to speak now when we see this community led on by Politicians like hirelings to do a wicked and cruel wrong to those who have done so much to build up and advance the great interests of our State.

We venture to say, that there has never been seen of known such broad, sweeping and vile, abuse poured out by the Press and by prominent

Politicians, men, too, who are now aspiring to the most honorable positions in our State and Nation as is now scattered broadcast in our Newspapers and from Public Speakers at the present time—and all too directed in one course—the Railroad Managers and their President; such personalities, such vituperation, we feel to be a public disgrace, and most unworthy any party, any individual, or any cause, and we make bold to say no aspirant to office can ever advance his own course or fame by traducing his opponent, let alone who think they can build themselves up by trying to pull others down remember the case, of "Hamon and Mordcau."

We have written much more than we intended when we began, and have yet much more that should be said, but we shall reserve something for next week—but this we will say, that the recent bitter personal attack upon the President of the "Central Pacific Railroad" by one who aspires to be a Senator, we esteem one of the most disgraceful utterances ever made by one who seeks to secure for himself the "Seals of Place and Power," and had this aspirant for Senatorial honors remembered himself—he would rather than have given utterances to such great wrong have said and that would have been nobler.

"Teach me to feel another's woes,
And hide the faults I see,
That Mercy I to others show,
That Mercy show to me."

With such sentiments inspiring a seeker of Public Office, he would have more hope of success than in giving utterances to personal abuse and wrong against others.

That aspirant for Senatorial Honors has placed himself upon the retired list by his unworthiness and his most ungrateful course in his late speech.

(More anon.)

CALIFORNIA STATE AG. FAIR.

The announcement of the STATE FAIR in our Columns with the PROGRAMME of the same about at once induce all who design taking part in it to come to go to work speedily and make all the preparations for the Fair.

It has been the habit of nearly all contributors to delay preparations till the last moment of time, and then hurry up on the opening day or perhaps the second day, and with excuses ask the Managers to oblige them and allow them to come in although they break their own laws by doing so.

It is just as easy to be ready one day before the Fair, with all goods not perishable, as one day late, and the Managers of our "State Fair" and all our "District Fairs" should make strict rules and then keep them, and excuse none nor show any partiality, and until they do this our Fairs will all be behind time, irregular and disorderly, and more than one-half the benefit of the Fairs be lost to the community.

Let our Managers copy the action of our Eastern Fairs when the time comes for opening the Fairs, the doors are swung wide to the Public who are waiting, and those who are not ready, those who do not have their contributions in place, are excluded, no favoritism is shown—this is the general plan in all the old States, and it should be so here, and if our Managers would now issue *Special Notices* that such rules would be enforced our Fairs could open the doors on the first day and everything be ready.

By this means Managers and all Superintendents and Committees would have easier and more pleasant work, Visitors would not be delayed, first impressions would be, Success, and their words would go forth as heralds that would make the Fairs so.

The Premiums are now announced at \$40,000 this includes all departments, the Programme explains all, the time is now short, only Three Weeks and a great work to be made ready.

We call special attention to the Liberal Offers of the Railroad Companies and of Wells Fargo & Co. to aid the coming Fair.

All who desire to learn the full list of Premiums and Posters and Catalogues, also Volumes of last Reports of the State Society at our Office where they can be had, gratuitously.

FARMERS' GRANGES.

These Institutions are now rapidly spreading over our State as they have spread over all the other States in the Union, and wielding a potent influence, and while these Associations should be entirely controlled by good men, those who are wise and discreet, acting upon the principles as laid down in their Charters (which we this week publish), principles that all good men and women can cheerfully and readily subscribe to, then great good will be accomplished.

We here allude to the Platform named as fully described in the PROGRAMME at the opening. If this Platform is faithfully adhered to all will be well. Here, with such motives of action there can be only good work done, for such work, we say, God Bless Them.

But in all Associations like these there is danger that a selfish man will creep in, having some selfish, personal aim to accomplish, and thus overthrow all the good that otherwise would be done.

Granges must watch with an eagle eye against Politicians, Sectarians, Schemers, and Selfish Tricksters who would use a good institution for their own ends only. The Granges' Platform will be found in our Agricultural columns, Page 170.

It will then be observed that in all the degrees Woman acts a conspicuous part, and holds the keys of power, to her quick perceptions and wise and just reflective capacities we look as a means to ward off all danger and save these good Institutions from fatal errors.

We are again indebted to E. B. Elliot, Esq., Chief Clerk in the Bureau of Statistics at Washington, for a Volume of Statistics on "Commerce and Navigation," with valuable tables to which we shall refer with interest.



STATE FAIR.

FOR 1873, AT SACRAMENTO.

Commencing on MONDAY, the 16th, and closing on SATURDAY, the 30th of September.

\$40,000 to be distributed in Cash Premiums. Exhibition to be divided into seven departments, and the Society's Gold Medal to be awarded to the most meritorious exhibition in each department.

The largest Stock Show ever had on the Pacific Coast. The most attractive Speed Programme ever offered in the Union.

The Second Annual Exhibition of the California Vine Growers' Association to be held at the same time and place. A Grand Flowering Match to come off on the grounds.

A Grand Regatta on the river, in which the different Rowing Clubs of the State will participate.

A public sale of Thoroughbred Stock at the Park each day of the Fair.

The Central Pacific Company's Railroads and Steamers will carry all articles to and from the Fair free of charge.

Wells, Fargo & Co.'s Express will deliver all packages free not weighing over twenty pounds.

Applications for stalls at the Pavilion should be made to Robert Beck, Secretary, at once. Membership, \$5; Single Admission, 50 cents.

R. S. GAREY, President. ROBT. BECK, Secretary.

STATE FAIRS.

AMERICAN POMOLOGICAL SOCIETY.

NATIONAL EXHIBITION OF FRUIT.

Annual Fair at Boston, September 1 to 10.

NEW YORK STATE AG. SOCIETY.

33rd Annual Fair at Albany, Sept. 24th to Oct. 1st.

PENNSYLVANIA HORT. SOCIETY.

Annual Exhibition, Philadelphia, Sept. 15th to 19th. (Large and Liberal Premiums.)

INDIANA STATE AGRICULTURAL SOCIETY.

Grand State Exposition, Held at Indianapolis September 10th to October 15th (Premiums over One Hundred Thousand Dollars.)

IOWA STATE AGRICULTURAL SOCIETY.

30th Annual Fair, Cedar Rapids, Sept. 8th to 12th.

KANSAS BOARD OF AGRICULTURE.

Annual Fair, Topeka, September 26th, to 26th.

MAINE STATE AGRICULTURAL SOCIETY.

Annual Fair, Bangor, Sept. 16th to 19th inclusive.

NEBRASKA STATE AGRICULTURAL SOCIETY.

Annual Fair, Lincoln, Sept. 1st to 6th inclusive.

ILLINOIS STATE AGRICULTURAL SOCIETY.

Annual Fair, Peoria, Sept. 15th to 20th inclusive.

MICHIGAN STATE AGRICULTURAL SOCIETY.

Annual Fair, Grand Rapids, Sept. 16th to 21st inclusive.

WISCONSIN STATE AGRICULTURAL SOCIETY.

Annual Fair, Milwaukee, Sept. 22d to 25th inclusive.

OHIO STATE AGRICULTURAL SOCIETY.

Annual Fair, Mansfield, Sept. 1st to 5th inclusive.

MISSOURI STATE AGRICULTURAL SOCIETY.

Annual Fair, St. Louis, Oct. 5th to 12th inclusive.

MINNESOTA STATE AG. SOCIETY.

Annual Fair, St. Paul, Sept. 23d to 26th inclusive.

KANSAS STATE AGRICULTURAL SOCIETY.

Annual Fair, Topeka, Sept. 16th to 19th inclusive.

GEORGIA STATE AGRICULTURAL SOCIETY.

Macon, October 27th, to November 1st.

CALIFORNIA STATE AG. SOCIETY.

Annual Fair at Sacramento, September 25th to 21st.

COUNTY FAIRS.

THE STATE VINE GROWERS AND BRANDY

MAKERS' ASSOCIATION

Join the State Fair as usual.

SAN JOAQUIN VALLEY AG. SOCIETY.

Annual Fair at Stockton, September 30th to October 3d.

SANTA CLARA AGRICULTURAL SOCIETY.

Fair at San Jose Sept. 23d to 27th inclusive.

NORTHERN DISTRICT FAIR.

Annual Fair, Marysville, Sept. 8th to 13th inclusive.

SANTA CRUZ DISTRICT FAIR.

Soquel, time not fixed.

NAPA AND SOLANO DISTRICT

Annual Fair, Vallejo, Sept. 9th to 13th inclusive.

SONOMA AND MARIN DISTRICT

Annual Fair at Petaluma, Oct. 5th to 11th inclusive.

UPPER SACRAMENTO VALLEY

Annual Fair at Chico, Sept. 22d to 27th inclusive.

CONTRA COSTA COUNTY FAIR.

Annual Show at Pacheco, Sept. 22d to 26th inclusive.

LIST OF AGRICULTURAL FAIRS.

Those who are intending to take part in the coming State or District Fairs will find a list of the leading ones to be held this year in our columns.

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE

Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

American Insurance Company, Cincinnati, Ohio,	\$1,124,000
Atlantic and Pacific Insurance Company, Chicago, Ill.,	130,000
Glard Insurance Company, Philadelphia, Penn.,	655,000
Kansas Insurance Company, Leavenworth, Kansas,	250,000
National Life Insurance Company, of U. S. A., Washington, D. C.,	1,233,000
New Orleans Mutual Insurance Association, New Orleans, La.,	1,478,000
North Missouri Insurance Company, St. Louis, Mo.,	1,235,000
Peon Insurance Company, Philadelphia, Pa.,	285,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.,	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS.

No. 314 California St. San Francisco, Cal.

39 21

"Better than Gold Mines."

PROSPECTUS

SAN JOAQUIN VALLEY WOOL CROWEES' Association.

Organized Under the Laws of the State of California, July 29, 1873.

IN ORDER TO PRESENT THE MATTER FAIRLY to the public, to whom the Trustees propose to offer a portion of the stock in this Association, giving all an opportunity to invest in a legitimate enterprise, under experienced and successful management, this is issued.

James Morton, of Merced City, the President of the Company is one of the oldest and most successful sheep raisers in California, widely known as a most honorable and successful gentleman, who has now given his energy and experience to this enterprise.

John Barker, of Stockton, is one of the old stock-raisers, a man of unblemished integrity, of great experience, and who now has charge of this Company's sheep and range. M. L. ABRAMSKY, Treasurer; J. TYLER, Jr., Vice President; Pacific Paper Mills, Stockton; T. S. MILTON, Secretary.

The Company now owns a range of Twenty Thousand Acres in Stanislaus county, with ample water facilities, and have secured Eighty thousand Acres more, with artesian wells, a Fresno and Tulare counties, for a term of years, sufficient to range at least 100,000 sheep.

The Company owns at present 4,500 HEAD OF FINE GRADE SPANISH MERINO SHEEP.

With Houses, Wagons, Harness, Panels, etc.; in fact, everything that pertains to sheep raising. Also, FORTY HEAD OF FINE SPANISH MERINO BOOKS.

This the Company commences with, and the Trustees have taken stock in the Company for the property, on the same basis that it is offered to the public.

The intention is to give all an opportunity to participate in the immense actual profit accruing from the raising of sheep. The constant care and attention necessary to give a small band of sheep can be more profitably given to a large number—many parties in the State owning as many as 50,000 head—and, with the expense apportioned to so many, of course the profits are so much greater.

All estimates made by sheep-raisers are, that the wool alone will every year more than pay all expenses of every description, leaving the increase every year as clear profits, which are invariably estimated at over SEVENTY-FIVE PER CENT. YEARLY ON THE INVESTMENT.

The great success of the Santa Cruz Island Company, off the coast of Santa Barbara, who now have property estimated at one million dollars in land and sheep, commencing with a small capital a few years since, is sufficient to demonstrate the future success of this Company.

Our principle is, to invest all the money in sheep received from the sale of the shares offered, immediately, as fast as received, whereby it commences to earn money at once. There will be no further calls for money in any shape, for, if the shares are disposed of, the money is invested in sheep for the benefit of the shareholders. If not disposed of, those remaining will belong to and remain with the Company, drawing no dividends, from the capital now invested, so that every share will actually earn the same amount that it would if a person was to enter into sheep-raising as a private enterprise. The present arrangement gives an opportunity to merchants, mechanics, and all who take an interest in sheep-raising, which is acknowledged to be the most profitable, legitimate business in the State.

The immense fortunes accumulated by private individuals in sheep alone is another guarantee of success.

All the parties connected with this enterprise are well known, and rely by permission to some of the most reliable parties in the State:

Messrs. CHASTY & WISE, Wool Merchants, San Francisco
Messrs. H. & W. PIERCE, Shipping Merchants,
GEORGE W. KIDD, Esq., President Bank of Stockton.
HON. R. B. LANE, Stockton.
FIRST NATIONAL GOLD BANK, Stockton.
Messrs. WATT & McLELLAN.

The capital stock of the Association is \$250,000 in shares of \$10 each. \$125,000 stock is already taken by the Trustees. The balance of \$125,000 stock, or 12,500 shares, is offered to the public at Five Dollars per share, and all shares now taken are subscribed on the same basis by the Trustees.

JAMES MORTON, President,
T. S. MILTON, Secretary.

Books now open for one week for subscription at the office of the
SAN JOAQUIN VALLEY WOOL GROWERS' ASSOCIATION.

15 Stevenson's Building, 331 Montgomery, San Francisco.
Or, M. L. ABRAMSKY, Main street, Stockton.
SAMUEL G. BATES, Esq., Agent of
WELLS, FARGO & CO., Merced City.

PLACE WANTED FOR A YOUNG MAN.
A situation is wanted for a Young Man of 15 years of age on a Farm in the country. The Young Man is well educated, healthy and strong. His Parents desire he should be trained on a Farm for which he has a strong predilection. Any Farmer who wishes such a Young Man who will train him to the knowledge of Farming and treat him well can learn of him by addressing G. A. B. at Farmer Office.

Alfalfa! Alfalfa!!

This Wonderful Clover has been fully tested the past year in various parts of the State, and in various soils, and crops have been gathered from 6 to 11 Tons to the acre.

FOR DAIRY STOCK,
FOR SHEEP AND
PASTURAGE GENERALLY.

No grass has yielded so large nor so remunerative Crops, and no crop will pay better.

The amount of Alfalfa Seed sold the last year exceeded 200,000 pounds, and the supply was not equal to the demand.

The call for Alfalfa this year will undoubtedly far exceed the last, and it would be wise for those who intend purchasing to buy early as by such means they can secure their Seed, and on better terms than late in the year when the demand is pressing.

The undersigned have received their Seed early this year so as to provide for their Patrons early, and on the most favorable terms.

In addition to Alfalfa we offer also every other kind of Grass Seeds for field culture, viz:

Kentucky Blue Grass, Timothy, Red Top, Red and White Clover, Bye Grass, Hungarian Grass, &c., &c.

The largest and best collection of Field and Garden Seeds offered on this Coast, all at the lowest rates and on the best terms, in fact low as the lowest, and good as the best, and lower than any rival House.

J. P. SWEENEY & Co., Seedmen,
409 and 411 Davis Street, San Francisco.

39 21

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural out stone, fire-proof and enduring

ASHLER, COPIING, 8 EPS,
MONUMENTS, GRAVESTONES,
BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fountains, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Tiles, French Grey, etc.

Architects and Builders are particularly invited to examine our Stone and Prices before engaging other building material.

JAMES GAMBLE, President,
R. WEGENER, Secretary.
Office, 414 California Street.

Office and Works, { Bluxton Street, bet 4th and 5th,
SAN FRANCISCO.
39 21 V. CRESSING, General Superintendent.

Valuable Tracts of Land.

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These Lands are located in different parts of the State—some in each county from SUASTA down to SAN DIEGO, all good Lands and can be sold on advantageous terms.

This List comprises about EIGHTY QUARTER SECTIONS.

Maps, LOCATIONS, &c., AT FARMER OFFICE.

Grain and Potato Bags.

800 BALES NO. 1 STANDARD DOUBLE Sowed Calcutta Gunny Bags, 250 each.

100 Bales Imitation Gunny Bags, suitable for Onions and Sweet Potatoes.

0 Bales Large India Packing Bags, suitable for Charcoal, etc.

300 Bales of Hand Sowed Wheat Bags, 1000 each, 22x36 and 24x36.

1500 Bales of Turned Wheat Bags, from Liverpool, nearly as good as new, 350 each.

39 20

—ALSO—
400 Bales of Barbour Bros. Celebrated Twine, 2, 4, 5, 6, 7, and 8-Fly.
For Sale in Bond or Duty Paid, By
REYNOLDS & CO.,
313 & 315 Davis Street.

FISH BROS. & HUGGINS

"PACIFIC WAGONS,"

FARM, QUARTZ, AND THIMBLE SKIRM
HEADER WAGONS. IRON AXLE FARM
AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glann, Geo. W. Hoag, Gunpton Bros, Jacinto; Hill & Knaugh, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Balbesch & Co., Agents for San Jose. Smith & Baxter, Agents for Gilroy S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we manufacture as well as import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers in California.

Manufacturers Agents for the J. I. Case & Co. 48-inch Cylinder Threshers.

39,1 8

NEW AGRICULTURAL WAREHOUSE.

The undersigned take pleasure in calling attention of the Farmers and Cultivators of the Soil in all departments of Agriculture in the "Great Sacramento Valley," and the region around it to the Large Stock of

AGRICULTURAL IMPLEMENTS

which they are now opening in the Spacious Warehouse on J STREET, SACRAMENTO, formerly occupied by Treadwell & Co.

It will be the aim of the undersigned to offer the Largest and Best Stock of Harvest Implements and other Goods shown in this section of the State, and to offer no implements but the Best, and endeavor to give satisfaction to every Customer and Patron of our House.

We offer the following:

EXCELSIOR MOWER

AND

MOWER AND REAPER COMBINED,
IRON FRAMES!

SIX HUNDRED SOLD IN THIS STATE DURING
LAST SEASON.

It also took the First Premium in this State at the
State Fair of 1872.

This truly celebrated Iron Frame Machine stands as far ahead of all others (the BUCKEYE included) as science, skill and careful study can reach with improvements. Farmers in every section of this State give the preference to THE EXCELSIOR over all other machines on account of Cheapness, LIGHTNESS OF DRAFT, being better adapted to California work, and from its simplicity does not get out of order.

The Hay and Grain Harvest will open early this year. Examine carefully and purchase wisely.

The Excelsior Side Rake and Excelsior
Dropper.

EVERY MACHINE WARRANTED,
OR THE MONEY REFUNDED.

Genuine Haines Header, improved for 1873.
Huber Revolving Rakes, simple and effective in their work.
Wheel Rakes, Hand Rakes and Forks.

Every description of Agricultural Implements.
Meritt & Kell's TRACTION ENGINE, and
The VIBRATOR Threshing Machine, the Cheapest and Best
Machine in the world.

The Famed BRASS BEARING WAGON, now becoming very celebrated as one of the best yet offered, and promising to supersede many kinds now sold.

This excellent invention is known as Clapp's Brass Bearing Wagon, the axle being shrouded with brass plates runs easier and with less friction than any other known.

We also offer other Wagons of the best make of Iron Axles.

Meritt & Kellogg's Self Propelling Threshing Engines, one of the Best Inventions of the age.

THE JOHN DEERE MOLINE PLOWS.

This Plow has become justly celebrated over the whole United States as one of the Best Plows known, also The Colby's Plow (Smith's Patent)
Gorcham's Broadcast Seeder and Calculator, a very popular implement.

We invite special attention to the immense Stock of Implements we are now opening, as we mean to suit all our Customers for all their implements.

EXTRAS—Always a full supply on hand cheap, but lower priced for the Excelsior than any other machine.

KELLER & CO.,
43, 45 and 47 J Street, bet. 3d and 3d,
Importers and Dealers in Agricultural Implements.

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NEVILLE & CO.,

Bag, Tent, and Hose Factory,

113 Clay & 114 Commercial Streets,

San Francisco,

Importers, Manufacturers, and Dealers in all
kinds of

Bags, Burlaps, Duck, Canvas and Cottons.

ORDERS RESPECTFULLY SOLICITED.

J. M. NEVILLE. 39 20 G. B. DRYANT.

Marsh Harvester and Reaper with Separator,

AND

Horse Power COMPLETE,

For Sale Cheap.

TO CLOSE CONSIGNMENT BY

ROSS, DEMSTER & CO.,

SAN FRANCISCO.

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HARTFORD

FIRE

INSURANCE COMPANY.

Cash Assets,

JANUARY 1, 1872,

\$2,942,061.18

After paying 1,800,000 at Chicago.

THE INCOME OF THE

Hartford Fire Insurance Co.

Is drawn from sources co-extensive with the nation, hence the Institution is not affected by merely local disasters. Its principal offices are at Hartford, Conn. Chicago, Ill.; San Francisco, Cal.; with Agencies in every city and village of any prominence in the United States and Dominion of Canada.

PACIFIC DEPARTMENT:

A. P. FLINT, Manager,

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

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THE WESTERN

Savings and Trust Co.,

136 MONTGOMERY STREET.

Occidental Hotel Building, San Francisco,

CAPITAL, 1,000,000.00.

H. J. BOOTH, President

A. G. STILES, Vice President and Cashier

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L. B. ADAMS (of Adams, McNeill & Co.), Sacramento and San Francisco.

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P. L. WEAVER (or Weaver, Taylor & Co.) San Francisco.

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ROBERT WATT, Ex-Controller of State, San Rafael.

J. J. BOOTH (of H. J. Booth & Co., Union Iron Works), San Francisco.

Home Miscellany.



IMPROVISATIONS.

Fill, for we drink to Labor!
And Labor, you know, is Prayer;
I'll be as good as my neighbor
Abroad, and at home as bare!
Debt, and bother, and hurry!
Others are bolder so:
Here's to the goddess Worry,
And here's to the goddess Show!

Reckless of what comes after,
Sleece of whence we come;
Splendor, and feast and laughter
Make the questioners dumb;
Debt, and bother, and hurry!
Nobody needs to know;
Here's to the goddess Worry,
And here's to the goddess Show!

Fame is what you have taken,
Character is what you give;
When to the truth you wake,
Then you begin to live!
Debt, and bother, and hurry!
Others have seen so:
Here's to the goddess Worry,
And here's to the goddess Show!

Honor is a thing for dervies,
Knowledge a thing for sages;
Love is a vanishing vision,
Faith is the story of a child!
Debt, and bother, and hurry!
Honesty's old and slow;
Here's to the goddess Worry,
And here's to the goddess Show!

An answer to the above:

COMETH A BLESSING DOWN.

Not to the man of dollars,
Not to the man of deeds,
Not to the man of cunning,
Not to the man of crowds
Not the one whose passion
Is for a world's renown,
Not to the form of fashion,
Cometh a blessing down.

Not unto land's expanse
Not to the miser's chest,
Not to the princely mansion,
Not to the blazoned crest,
Not to the world's wisdom,
Not to the knightly crown,
Not to the haughty clown,
Cometh a blessing down.

Not to the lot's blinded,
Not to the steeped in shame,
Not to the carnal minded,
Not to the unholly fame,
Not to neglect of duty,
Not to the monarch's crown,
Not to the smile of beauty,
Cometh a blessing down.

Not to the one whose spirit
Yields for the great and good;
Not to the one whose store-house
Yields the hungry food;
Not to the one who labors,
Not to the one who browns;
Not to the kindly hearted,
Cometh a blessing down.

HE IS LATE.

She watches at the porch,
The sun is nearly down,
What keeps her tenant lord?
He should be back from town.
One story, sweet year ago
He never made her wait,
As much too early then,
As now he is too late!

Had heaven bestowed on me
That little lady there,
Whom I have made so sad,
And as I made so fair,
Her hand, her cheek, her mouth
Should not for kisses wait,
We're that sweet angel mine,
I never could be late.

—Richard Henry Stoddard, in *Overland Monthly*.

I LOVED HER MORE.

I have found out a gift for my fair,
I have found where wood-pigeons breed,
But let me that plunder forbear,
She will say 'tis a barbarous deed.

For he never can be true, she avers,
Who can rob a poor bird of its young,
And I loved her the more when I heard
Such tenderness fall from her tongue.

—From *Old English Reader*.

CLIPPINGS.

The noblest body of water—A pond.
Could a temperance orator be called a water
spout?

If a mile is as good as a mile, how much better
is a Mrs?

The best sewing machine attachment—The en-
gagement of a pretty seamstress.

There is nothing so effective in bringing a man
up to the scratch as a healthy, high-spirited flea.

An Albany clergyman regards the use of fans
in church as a savouring of profligacy, and has
told the ladies of his congregation so.

Sombody asks why it is that theaters are sel-
dom if ever struck by lightning, the solution of
which conundrum is that every orchestra has a
conductor.

"Jeany," said a Scotch minister stooping from
his pulpit, "have you a pin about you?" "Yes,
minister." "Then stick it into that sleeping
brute by your side."

SINS AGAINST THE BODY.

BY MRS. AMELIA W. BARR.

It is the duty of every one to be acquainted with
the conditions on which alone he can have "a
sound mind in a sound body," and if some little
trouble is involved in the pursuit of these con-
ditions, "the game is worth the candle," since it
is very certain that the mind must ask permission
of the body to be healthy, happy, and successful.

Martial, the ancient epigrammatist, says: "to
be is not called Life, but to be well," and Ovid, in
his second book "De Officiis," gives us the true
canon of a rational hygiene—"Preserve health
by attention to the body, by temperance in living,
and by refraining from sensuality."

Attention to the body in both positive and ne-
gative: we sin against it both by omission and
commission. But the first of all its requirements
are pure air to breathe. The merest tyro in hy-
gienic matters, knows that air deficient in oxy-
gen, and surcharged with carbonic acid gas from
breathing lungs, cannot properly purify the blood,
evolve heat, or develop vital force, and that un-
der such circumstances, the unpurified blood is
sent coursing through heart, arteries and veins,
becoming more and more vitiated at every revolu-
tion; until, if continued, typhus, cholera, or dy-
sentery supervene.

I do not think that the neglect in this matter is
as persistent and criminal as it was a few years
ago. The line upon line and precept upon pre-
cept of hygienic reformers have done good. The
homes of both rich and poor are improved, and
the mass of people more sensitive to their rights
in this respect. The neglect of this first law of
health is chiefly remarkable in churches, theatres,
halls of public amusement, etc. There, the
amount of vitiated air is largely increased by the
gas illumination; and before the close of any or-
dinary play or opera, it is very probable that at
least one eighth part of all the air in the building
has already passed through our neighbor's lungs.
Thus we constantly witness the most fastidious in-
dividuals, who would scruple to eat what their
neighbor's hand had touched, inhale without ob-
jection, the breath issuing from his nostrils.

Dr. Franklin used to take what he calls an air
bath every morning. He argued that the skin was
a breathing organ, and should not only be kept
clean, but should also be exposed to the embraces
of the pure air, at least five or ten minutes every
twenty-four hours; combined with a cold sponge
and the use of the coarse towel, there can be no
doubt of its excellence. Southern hygienists ad-
vise a run bath as equally good; provided the head
be sheltered.

Cleanliness is next to godliness. If a man can-
not pray, he can wash; and there is no doubt but
what

"From the body's purity, the mind
Receives a secret, sympathetic aid."

and, as good George Herbert says, "the mind's
sweetness will bear its operation upon the body.
There is even something unnatural and unbel-
ievable in a dirty Christian."

The want of physical exercise is another sin
against the body. Tens of thousands suffer ex-
ercising the brain too much and the muscular sys-
tem too little. "Where the stimulus is, there
flows the blood," and if the blood is healthy,
there is activity of nutrition, perfection of devel-
opment, vigor of function. But exercise, to be
really healthy, should be of such a kind as to set
the whole frame in motion, rouse to action the
nervous centres, and bring every part alternately
into activity.

In all exercises, however, the importance of men-
tal stimulus is very great; for it is comparatively
valueless, unless the idea of taking it for health
is lost in the interest of the occasion. The
fellow at his task has plenty of exercise,
but it has not the good influence of the row on
the river, the walk with a friend, the holiday in
the woods.

The love of children for action, shows what
Nature thinks about it; and to the aged it is no
less important; for, if judiciously used, it will re-
ward, if not prevent, "that second childhood
and mere oblivion," which too often clouds the
last days of human life.

The hygienic laws regarding food do not need
"twelve tables;" they are few and simple, and
easily enforced by sensible men and women. First,
it must be understood that oily, fatty elements,
heat the body; glutinous or plastic elements nour-
ish it. The first then fortify the system against
cold; the second repair the waste of the tissues,
and give strength to the muscles and nervous sys-
tem. Climate and circumstances must, therefore,
vary with cases in their use, and a man's own
reason is the only adviser needed.

Whatever food is eaten, it should never be eaten
very hot; it should be thoroughly masticated; it
should be simple in character and cooking; it
should only be eaten in quantities commensurate
with the wants of the system. Man is an omnivorous
animal, and may eat almost anything, if he does
not exceed; whereas rigid vegetarians, by excess
in quantities, may induce serious distressing con-
sequences.

The sense of hunger is the natural index as to
both time and quantity, but the digestive organs
should certainly be allowed to dispose of one
meal before they are cumbered with another. Peo-
ple in active life cannot be quite regular; ex-
cessive labor may demand an earlier meal one day
than is necessary another—a large margin in these
things is left for discretion. But little children
and old persons should, in all dietary matters,
make order their first law.

No laws are so obvious as those of diet, none
are so flagrantly broken. And this, in spite of
knowledge, and in spite of certain punishment; for,
though, we oppress nature with apparent im-
punity for years, she will, at last, present her bill
to a broken constitution.

As a rule, pure water is the best of all drinks;
but very little ought to be taken during meals.
Hot, watery soups before a solid dinner, dilute the
gastric juices, and tea and coffee in large quanti-

ties have the same effect. But, when drinks are
taken as stimulants, they come under the severest
condemnation. If taken to increase the vital force
the extra exertion made under their influence, is
made at the expense of the constitution; and the
often it is repeated, the more permanent the de-
bility, which is its certain reaction. In no case
can stimulants be a substitute for solid nourishing
food.

But the organs and functions of animal life need
something beside air, exercise, and food. They
must have periods of complete rest. By protracted
effort, the eye, the ear, the brain, etc., all lose
their sensibility. Then sleep is to organic life
what food is to animal life. All that food is to
the blood, sleep is to the sensation, thought and
muscular activity.

When the system is perfectly healthy, sleep sus-
pends all the powers of animal life; not the slight-
est consciousness exists. Such sleep is the surest
guarantee of longevity. The continued action of
the mind on any subject, will make the sleep
dreamy and unrefreshing. Sluggish drowsiness
relaxes the solids, and induces languor and debili-
ty, while excessive wakefulness weakens the
brain and the whole system. Nothing is so excel-
lent for soul and body, as a good solid bar of sleep
between day and day, provided it be taken in a
room thoroughly ventilated, and on a sensibly
hard bed; for when a person feels such an enor-
mity as a feather bed a necessity, he is in a very
bad physiological condition, and the sooner he
get out of it the better.

Something must be said on the influence of the
mind and the will upon hygienic conditions. The
Will, is indeed the guardian of the body's inter-
ests. Thus, though the food, when once within
the stomach, is beyond control, the Will has the
power of selecting the quality and quantity of it.
Again, though respiration is an involuntary act,
the Will can promote its efficiency by selecting
pure air, or accelerating it by exercise. The Will,
then, is a kind of sentinel over the organic func-
tions.

I have already mentioned the good influence of
mental stimulus in physical exercises and every
one knows how vehemently mental excitement
disturb their organic functions. Grief, anger,
fear, disappointment, throw the body into sudden
tumultuous motion. But though for an hour or
two there may be confusion and panic, a Will un-
der thorough discipline will speedily recover its
sudden surprise, and regain its equanimity.

The self-command of soldiers and Statesmen,
shows the power that can be acquired by the Will
over the body, and the advantages of such a dis-
cipline in a hygienic point of view, can hardly be
over estimated. Under control like this, the ill-
lure of life are only like the transient sorrows of child-
hood.

"Bare on youth's glittering tunic him."

When the sympathy between the nervous sys-
tem of organic life and the mind maintains the
delightful character—which is the natural result
of observing the laws of health, then, and only
then, a man may be said to have "a sound mind
in a sound body."—*The Science of Health*.

PRESERVATION OF HEALTH AND BEAUTY.

The Editor of the *Scientific Record* in *Harper's
Magazine*, for August, furnishes the following ex-
cellent article on the importance of the skin be-
ing kept Pure and Clean, as follows.

Here is a lesson for those Ladies that use all
kinds of pigments, powders and washes upon the
face and neck. Let them look well to the
"Laws of Nature" if they would preserve their
Beauty.

Experiments have been tried by Bocoiff as to
the effect of suppressing the excretions of the
skin, by shaving rabbits and painting the skin
over with some material impervious to the pas-
sage of vapor. It was found that this always,
sooner or later, produced fatal results, the animal
a few hours before death exhibiting intermit-
tent cramps and convulsions, while the tempera-
ture in the rectum fell to a considerable extent.
Even wrapping the animal in cotton failed to pro-
duce any material increase of the temperature of
the intestines or to delay death. The inhalation
of oxygen was equally powerless in preserving
life. Ulcers, arising from deep-seated extravasa-
tions, were found in the stomach. Albumen made
its appearance in the urine shortly after the animal
had been varnished. Whatever the sub-
stance used for coating the animal, whether
simply a gelatine, gum, or regular varnish, in-
flammation of the kidneys was the result, some-
times accompanied by enlargement of the cal-
culi, and sometimes by their fatty degeneration.

FRUITS IN OUR ROOMS.

We should be chary of keeping ripe fruit in our
sitting rooms, and especially beware of lying it
about a sick-chamber for any length of time.
The complaint which some people make about a
faint sensation in the presence of fruit is not
fanciful, for two German chemists have shown that
from the moment of picking Apples, Cherries,
Currants, and other fruits, they are subject to in-
cessant transformation. At first they absorb oxy-
gen, thus robbing the surrounding air of its vital
element. Then they evolve carbonic acid, and
this in far greater volume than the purer gas is
absorbed, so that we have poison given us in the
place of pure air, with compound interest. Tem-
perature affects the rate of changes, warmth ac-
celerates it.—*California Horticulturist*.

Sixteen American female journalists have gone
over to write up the exposition.

A young lady told an admirer the other even-
ing that he was like her opera-glass, "because,"
said she, "I can draw you out, see through you,
and shut you up."

Young ladies who are disgusted with things in
general, as many of them profess to be, are re-
minded that there are three hundred nonces in
the United States.

MORAL HYGIENE AND TOBACCO.

The most self-indulgent and the most selfish of
luxuries is that of tobacco. I never knew a dozen
men who used tobacco who cared anything about
whether they smiled agreeable to other people,
or whether they carried themselves so that other
people were happy or not. They will foul the
house, they will foul the boat, they will foul the
car, unless arbitrarily restrained. They forget
father and mother, wife and children, and go
through life smoking, stoutheaded and disagreeable,
and when they are expostulated with, they laugh.
The use of tobacco does not make a man a mon-
ster, it only makes him selfish in respect to people
about him. Though I consider this a most dis-
agreeable habit, I do not look upon it as being at
all equal to drinking in its evil effects. But it is
a very wasteful habit. Few young men who are
beginning life can afford to smoke.

Thus speaks Henry Ward Beecher on the use of
"Tobacco," all he says of its offences is true and
a vast deal more, no could have added that
Smokers will stand at the Postoffice window and
puff their smoke into the faces around them, they
will stand on the end of the Street Cars and puff
into the faces of those who enter and leave the
Cars, they will blow their smoke upon all who
may be near them on the Sidewalks in our Streets,
the Ticket Offices of our Railways, and at the Ex-
press Offices, the Tobacco Smoke is unbearable—
and all as the Rev. Gentleman says, because
smokers are selfish—yes because they love this
vile habit more than Father, Mother, Wife
or Child, and more than the health or the comfort
of their friends or neighbors.

We shall differ with the Rev. teacher most as-
suredly in the statement he makes that the use of
Tobacco is a lesser evil than the use of *Strong
Drinks*, far from it, we give the reason why, there
are many who use spirituous liquors and wines
that do not use Tobacco, but rarely can be found
a person who smokes who is not a habitual drinker,
the reason is this, the use of tobacco dries up,
consumes, and wastes the Saliva in the mouth,
placed there for the use of the food that is to nour-
ish the body, and the use of tobacco creates a
thirst that leads to tipping, the use of tobacco
makes one half our tipplers and drunkards—they
go together, *Smoking and Drinking*. Let the Rev.
Mr. Beecher review this case and he will find him-
self in error—we hope he does not make the habit
of smoking the lesser evil because so many of
the Clergy use it? If he does, what will he reply
to the truth that declares "Cleanliness is Godli-
ness" his denunciation of the filthiness of tobacco,
most strike home somewhere among the Pulpit
teachers of the present day.

Will Dr. Beecher amend his arguments?

LOOK AT THESE FIGURES.

What Tobacco and Strong Drinks cost the First
District of California as shown by the Taxes only
paid in the Month of July:

7,444,950 Cigars.
119,339 Gallons Distilled Spirits.
20,721 Barrels of Fermented Liquors.

The Taxes on these and other sources. The
Tobacco and Liquors being more than three-
fourths of all amounted to \$270,921.05.

The same proportion for a year would amount
to over Three Million of Dollars in Taxes only.
Their consumption and use would take from our
people ten times more—or equal to THIRTY MILLION
Dollars ANNUALLY. Need we wonder at hard
times?

A LOVE OF MONEY.

Science takes cognizance of mental as well as
corporeal peculiarities. Anatomists show how
the muscles are arranged to move a fifth finger or
a sixth toe where an excess of such organs exist.
Those who treat exclusively of the mind can not
always explain eccentricities satisfactorily, how-
ever successful in recording singular deviations
from a normal standard. Physicians entertain the
opinion that when any one portion of the brain is
intensely active in a particular direction, to the
exclusion of such motives as govern a well-balanced
intellect, the individual thus distinguished is de-
ranged. Avarice, therefore, degenerated into an
all-absorbing love of money, is an incurable form
of insanity, intensified by success in its accumu-
lation. Lord Chancellor Hardwick, when worth
\$4,000,000, was as saving of half a crown as when
worth only one hundred pounds. The celebrated
Duke of Marlborough, in the last stage of life,
walked in a dark, cold night to his lodgings at
Bath to save six pence, leaving more than a mil-
lion and a half pounds sterling to a scoundrel
relative who had always been an enemy. Sir
James Lowther, whose income was \$240,000 a
year, old, lame and infirm, went some way back
to a coffee house for a better half penny that had
been given him in change. He looked about for
an heir. Sir William Smith, of Bedfordshire, a
rich Englishman, totally blind, agreed to
give an oculist sixty guineas if he restored his
vision. The operation was successful, but the old
maner pretended it was not exactly perfect, al-
though he never after could read and write; he got
off with thirty. A rich New Yorker, not many
years in the grave, who left a reputed fortune of
\$15,000,000, was in the habit of buying a single
muffin for breakfast, which he carried home from
the baker's in a bit of newspaper.

THAT BEAUTIFUL TABLE.

Reader! have you seen that magnificent
"Centre Table" now at Messrs. Hazeltine & Co's,
Japan Warehouse, Sacramento street, just above
Montgomery street.

The Table is the work of a Californian Me-
chanic by years of labor, and is composed of a
Quarter of a Million pieces of wood of the rarest
of California trees, superbly put together, and
far exceeding any other piece of work ever made,
it is fully equal in beauty and finish to Mo-
naco design, every lover of the beautiful should go
and see this Table.



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counts, Insures, Draws Checks, Notes and Drafts, gives
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Actual Business.

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Commission, Forwarding,
Real Estate and Banking offices
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Miscellany.

TEACHING BIRDS TO SING TUNES.

This is done in the town of Fuld, Germany, where they keep regular educational institutions for bullfinches. They place the young birds in classes of six to ten each, and keep them in the dark, turning a little hand-crank for them when they are fed. Finally the birds commence to associate the music with the feeding, and, when hungry, commence to sing a few notes of the tune they hear daily. Those who do this are at once placed in a more cheerful room, where some light is admitted. This encourages them, and makes them more lively; then they like to sing, and are soon taught more. The most difficult part is the first starting of the birds, some of which have to be kept a long while in the dark, and on starvation rations, before their obstinacy is overcome. In order to teach them several tunes, they receive (after being thus taught in classes) private instruction from the little boys of Fuld, each of whom has a few private pupils of this sort. Their education lasts nine months, when it is completed, and the birds sent into the world as accomplished performers. The principal markets are London, Paris, and New York. They are valued in Europe at twenty dollars, for every tune they can sing; so one who can sing three tunes costs sixty dollars.

WILL THE DOG REJOIN HIS MASTER?

The writer resides a few miles south of Boston. Recently one of my neighbors died. Among the animals left, I was tempted to say among the inmates of the domicile of the family, was a splendid large black Newfoundland dog, who had been for many years the attendant I may say the companion, of the deceased. The household is on a hill overlooking the village. Not a day since the death of my neighbor, but this poor affectionate animal has been, hour after hour, from morning to night, seated on his haunches, erect, almost the height of a man, in that posture, looking down the hill, anxiously awaiting, and doubtless expecting, the return of the deceased. Gentle as a lamb, he will run in answer to the call of any of the neighbors, and seems to have his noble, intelligent soul, shall I call it?—lightened of its profound sorrow when stroked and caressed by a friendly hand. He evidently places because his friend, his companion, is away, where, he cannot realize, and I have little doubt, would hold lightly any pain or suffering that might intervene as a condition precedent to his being enabled to reach and once more join his lost benefactor. Is it probable that this Newfoundland dog will be denied an existence in the spirit-land? Or if the faithful animal be permitted to resume his unity in the future, and join his late owner, will not that owner be far happier in the society of his faithful dog than in that of some unfaithful human friends? "Reason" in Our Dead Animals.

RAISING BUFFALOES.

Out on the plains, about two hundred miles from Denver, is a vertical bluff seventy-five feet high. A party of hunters recently stamped a herd of buffaloes right to the brink of the precipice. The foremost brutes, appreciating their critical situation, attempted to avert the calamity, but the frightened hundreds behind crowded forward. The front rank, with legs stretched toward each cardinal point of the compass, followed in concert and descended to their fate. Before the pressure from behind could be stopped the next rank and the next followed, imitating the gesture and the howling of the first. For thirty seconds it rained buffaloes, and the white sand at the foot of the bluff was incandescent; and not until the tails of fifty or seventy-five of that herd had waved adieu to this wicked world did the movement cease.—Rocky Mountain News.

"CAN ANIMALS COUNT?"

When I read this caption in one of your late papers, I was reminded of what the man who had charge of my farm told me. He said, "that is a very knowing horse." I inquired, "How does he show it?" and the reply was, "When the town clock strikes twelve, he refuses to work until he has had his dinner. I am sometimes obliged to unhitch him from the plough in the middle of the field."

Ireland sends forth 140 newspapers—twenty-three dailies, twenty-three bi-weeklies, six tri-weeklies, and eighty-eight issued weekly and at other intervals.

A physician stopped at the shop of a country apothecary, and inquired for a pharmacopoeia. "Sir," said the apothecary, "I know of no such farmer living in these parts."

A rich old fellow in a provincial town who owns more houses than any man in the place, was waited upon by a committee for a subscription to rebuild the fence about the cemetery. His reply was characteristic as well as humorous: "Gentlemen, I have always made it a rule in my business never to make any repairs until the tenants begin to complain."

The precautions taken in Boston against fire are numerous, and it is improbable that the city will ever again be visited by a great conflagration. The following notice, painted in heavy black letters on a white ground, is being put in conspicuous position on all unsafe buildings: "This building will be dangerous in case of fire. Placed here by order of David Chamberlain, Inspector of Buildings." Such a badge of shame will doubtless prove an effective remedy.

(Try this plan in San Francisco and our city would be well posted.—Ed. F.)

AN ANNIVERSARY.

Twenty-four years ago the steamship Panama arrived in this port from New York with 1,130 passengers; being the third steamer which dropped anchor in the bay after the discovery of gold. She sailed from New York on the 7th of February, 1849, under command of Lieutenant (now Admiral) D. D. Porter, who brought her round Cape Horn, and transferred his command at Panama to Captain David G. Bailey. Many persons who have attained prominence in the State were among the passengers by the Panama, of whom may be mentioned Hall McAllister, Lieutenant Derby, Dr. S. R. Harris, Postmaster Rowland of Sacramento, Judge E. W. McClintock, Judge P. A. Morse, ex-Mayor Jewett of Marysville, Dr. Elch, pioneer Episcopal clergyman, John A. Collins, ex-United States Minister to China, T. F. Low, Alfred De Wit, William Hobson of Cross & Hobson, Mr. Whitehead, of Moorehead, Whitehead & Waddington, and Captain Robins, Ferryman General.

THE "OREAD."

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LOST ART RESTORED.

We copy from the Arts and the American Builder the following interesting sketches of the new invention, the Frear Stone, advertised in our columns:

As a useful invention of the nineteenth century, Mr. George A. Frear, of this city, the discoverer of artificial stone, will hand down to posterity a name that will rank with the highest order of talent.

It is not the purpose of THE ARTS to puff into renown the many patented or improved machines of the day, but when a subject of such vital importance to mankind presents itself, it is meet for us to give such matter its just due. Building materials enter largely into the finances of a people and country. The rapidity with which cities and towns are reared having all the comforts and conveniences of modern devices. This subject is a natural question for capitalists, house and freeholders particularly so, when economy is a prime consideration.

The subject of artificial stone has engaged the attention of scientists for a number of years with but indifferent results, and none have been brought to so successful an application as the Frear Artificial Stone Manufacturing Company, of this city. Extensive works have been erected throughout the United States and Territories. Hundreds of magnificent edifices are now, and have been erected, which is proof enough that architects and builders consider this material among the best thus far brought to perfection. Public edifices are constructed in Lincoln, Nebraska, under a contract with the State authorities.

The details of manufacture of this artificial stone are briefly summed as follows: The base of the artificial stone is the ordinary silica (sand or gravel), indigenous to every country; four parts of calcium are thoroughly incorporated and moistened with a caustic solution of shellac. Any of the prime alkaline salts may be employed in preparing this solution. To one gallon of boiling water may be added a quarter of a pound of alkaline, less adding the shellac, say half a pound, until the same is thoroughly dissolved.

The pulp mass being extruded with this solution, it is formed into every conceivable form—ashlars, key-stones, corner blocks, water tables, door and window caps, sills, cornices, brackets, head-blocks, monuments, mantle-pieces, etc.

(At a public trial under the supervision of the United States Ordnance Department, at Washington, D. C., the Commander certifies that the specimen cube of Frear's Artificial Stone withstood a pressure of 5,000 pounds to an inch and a quarter cube, the original document now on exhibition at their office.)

The chemical effect is such that as soon as the several elements herein described, and which are compressed by a powerful lever machine, also an ingenious invention of Mr. Frear's, the hydrated lime, or calcium, combines readily with the silica, sand or gravel, crystallizing into a more solid body as the moisture evaporates, which requires a number of days. The shellac acts as an agglomerate, and renders the stone impervious to atmospheric elements, and almost entirely fire-proof. All the varieties of color may be given to the moulded masses.

As an industrial pursuit this manufacture will accomplish a great desideratum in building. That it should at once supersede wooden structures is a *sine qua non*. Its cheapness recommends it, while the most elegant architectural designs may be carried out at one-third the cost of hewn stone.

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This new building material seems growing in favor; the opinion every day gaining ground in building circles is that we have at length found a perfect substitute for natural stone; unsurpassed in beauty, cheapness and durability.

There is no doubt as to its beauty, for in this it is adapted to the highest architectural effects; and this can be said of only a small portion of the natural stone used for building purposes in this country. There is no noticeable difference in this respect between the Connecticut brown stone and the Frear stone, in the keenest-eyed critic will fail to detect the counterfeit.

The manufacturing works are very extensive, but the price is so reasonable that they are crowded to their utmost capacity; all of which would seem to indicate the cheapness of the material.

From the extent of the orders given, a very large amount of the material will be used in our best blocks and houses the coming season.

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EUROPEAN.

From our Special Correspondent.

Paris, July 12, 1873.

SPECIAL MANURES.

M. Chevreul, the father of French chemists, continues to draw attention to the question of commercial manures. His views have taken hold of intelligent opinions, viz: that in the purchase of a manure the important question is not so much to determine that it possesses a relative richness in the food-matters for plants, as in the cultivation of the per centage of such matters being immediately assimilable. These principles are being applied also to the cultivation of the relative value of food for farm-stock. It would seem in the matter of organic chemistry, that agriculture has a great deal yet to learn in point of exactness. An excellent practice has been adopted by the Commission for securing undiluted manures. On the arrival of a ship with a cargo of guano, she is visited with a delegate of the commission, who selects various samples in the hold before the manure is put into bags. These samples are in part analysed, and in part preserved according to the legal forms. The ship's agent is then invited to sell according to such results, and to supply the usual guarantees therewith. For market gardeners who complain that the use of city sewage imparts a repulsive taste and odor to their produce, it is suggested to plant always in drills, leaving the intervening furrows to receive the liquid manure, and in that way percolate to the roots. It is thus that mint, so much cultivated in the vicinity of Paris for perfumery purposes, is preserved from having its odor injured.

FEEDING HORSES.

M. Sanson, Professor of Zoology, has been investigating the relation between the food given to draught horses and the amount of power produced. This is to say, the strength-giving value of the heterogeneous elements of food. By a series of scientific calculations, tested in the stables of the Omnibus Company of Paris, he finds that the ration in practice given to the horses, are in conformity with science and the views of the Commaney—to feed the animals so that while they will not run into flesh, they will lose nothing in strength. The mean average weight of a Brest horse is 1800 lbs., he is employed four hours daily, drawing a weight of 2½ tons, at a rate of 2½ yards a second. Each horse's daily ration consists of 9 lbs. of hay, 20 lbs. of oats, and 1½ lbs. of bran.

INSURANCE OF STOCK, AGRICULTURAL READING.

Respecting the insurance of cattle, agriculturalists differ very widely here. Many prefer the Swiss plan of mutual insurance, others adopt that part of the scheme so far as it applies to diseases, patronizing the ordinary officers, to cover risks against fire, lightning, and such accidents.

The Secretaries of agricultural clubs and societies would do well to follow a practice adopted in this country, where the Secretary reads at each meeting, not only a review of home agriculture, but a summary of all the important events in foreign rural periodicals. M. de Béha-

THE STATE FAIR FOR 1873, SEPT. 15th TO 21st.



Agricultural Hall at Sacramento, Erected 1859, for State Society's Fairs.

gue is perhaps the very first letter in the first line of French agriculturalists; his estate at Damplere is a kind of Mecca; since 1826, he had converted a wilderness and a swamp into a oasis, introduced improved systems of culture, and all means for increasing the produce of the soil subordinate to paying ends. He has made a princely fortune; he has built a little village for his laborers—50 families—and has been as equally successful in improving the social condition of his neighborhood, as in reclaiming the soil, in planting trees, in keeping his accounts correct and simple. All this he recounts in a sort of dialogue with his grand children. An enterprising publisher would do well to bring out a translation of this "Tale of a Grandfather."

FAIR LABOR, PROTECTION OF BIRDS.

The Saxon farming societies are occupied solely with the question of the want of hand labor, in consequence of the proportionate emigration has taken; the remedy suggested is, to reduce the import duty on iron so that agricultural machinery may be had cheaper. The subject of elementary agricultural education occupies greater attention than ever in Belgium, and there is a marked increase in the support given to the local farming societies by all classes.

The preservation of small birds continues to be a matter of necessity as well as of importance. In some of the schools in the east of France, the pupils who protect feathered friends, have their names inscribed on a tablet of honor; those who act contrary on a tablet of shame. Three scholars in relation, are weekly chosen to superintend the conduct of their school-mates towards birds and their nests.

HOW DRINKING CAUSES APOPLEXY.

It is the essential nature of all wines and spirits to send up increased amount of blood to the brain. The first effect of taking a glass of wine or strong form of alcohol, is to send the blood there faster than common, hence the circulation that gives the red face. It increases the activity of the brain and it works faster, and so does the tongue. But the blood goes faster, brain faster than common, it returns faster, and no special harm results. But suppose a man keeps on drinking, the blood is sent to the brain so fast, in such large quantities, that in order to make room for it, the arteries have to enlarge themselves, they increase in size, and in doing so they press against the more yielding and flexible veins which carry the blood out of the brain and thus diminish their size, their pores, the result being that the blood is not only carried to the arteries of the brain faster than is natural or healthful, but it is prevented from leaving it as fast as usual; hence a double set of causes of death are in operation. A man may drink enough brandy or other spirits in a few hours, or even minutes, to bring on a fatal attack of apoplexy.

A LARGE EMIGRATION.

The Arrivals at our Hotels show a constant increase from abroad and from Europe, all indicating that we are on the Eve of a great addition to our population the coming fall.

AGRICULTURAL HALL, SACRAMENTO.

As the State Fair commences next week, on Monday, at Sacramento, and promises to be of more than ordinary interest, we think that although we have previously given an illustration the Hall where the Fair is to be held, it is quite appropriate again, as many of our Readers of later date than our last publication of it have never seen it, and it will also tend to lead them to think more earnestly of the Coming Fair next week.

Eastern Correspondence.

LEAVES FROM MY JOURNAL.

BY W. A. FABLES.

NUMBER SIXTEEN.

"Are you for a ride to-day?" asked the Captain's son. "Certainly, for it is one of the glorious days of the Summer." The carriage was soon filled, and as we drank in the cool ocean breeze we felt refreshed and reinvigorated. Will turned the horses heads to Sea Bright, taking a beautiful road down Rumson Neck. Of all the attractive drives near Long Branch, this is one of the finest. We passed the celebrated Hance Nurseries, and many handsome mansions and were soon at Sea Bright, which is one of the new stations on the New Jersey Southern Railroad. A couple of years ago hardly a house was to be seen, now on all sides one is compelled to admire elegant residences. We then drove on the smooth well kept road near the surf. Soon we were passing the cottages on Moonmouth Beach and North Branch which are likewise new stations on the Shore Road. The change is very great here, for the cottages are very numerous, and daily improvements are being made. Then we came to the New East End Hotel at Long Branch, and admired the tasteful arrangements of plants and flowers on the lawns, the hanging baskets, the colored lamps and the bright appearance of this new House, which has been fitted up by the Railroad Managers to accommodate excursion parties. We were soon in a crowd of vehicles on Ocean Avenue, and opposite the old "Gentleman's", which has been newly fitted up by the Leland, and called the Ocean Hotel. They have placed urns of flowers along the walks, and have so beautified the grounds as to change its on fire appearance. We were by this time anxious to walk on the beach, and so we stopped at the Maanlon House, and were soon gazing enrapturedly at the surf which driven in by the east wind presented a sublime appearance. Hours fled and yet we were unwilling to leave the spectacle which Nature seemed delighted to exhibit. There is after all no rest so perfect as the third citizen can find by the side of the grand old ocean.

In returning home we mingled again with the fashionable crowd on Ocean Avenue, passing through the village of Long Branch, along the well kept turnpike to Moonmouth Park, the newly laid out racing track, through Oceanport with its modern cottages, and were soon at the "Cottage

by the Sea" where the Grandpa and Grandma were on the lookout for the blue-eyed Mabel whom we took with us, and whose happy voice sounded more melodious to us—heard in contrast to the magnificent roar of the ocean.

COMING TO CALIFORNIA.

The following Letters of Inquiry, addressed to us from abroad, shows the disposition of a good kind of population that desire to come to our State. We have Letters every day of this kind and answer them privately.

Massachusetts, Aug. 20th, 1873.

EDITOR CALIFORNIA FARMER:

Having seen your paper in our Public Library, I am induced to trouble you with a little correspondence. I am proposing to remove to California, and before deciding to do so wish to get all the information possible in regard to the country. If you could give me this you would oblige or, perhaps you might refer me to other sources.

I would like to get information in regard to Farming, Stock, or Sheep Raising, &c., and I have my mind on the San Joaquin Valley.

Is there land at Government price now in good locations here? and has it all been claimed or bought on the "Vialla Division of Railroad"? Is there water for irrigation, and is this a good section of country for farming? Is lumber for building easily procured, also other building materials, and at about what prices? Also about what is the price of horses, cows, &c.? Is the price of furniture, clothing, &c., very much in advance of New York or Boston prices, that is on account of freight. If a party was to remove to California would it pay to bring his household furniture?

I am thirty three years old with wife only, and perhaps from one to five thousand dollars. My idea was to locate on a section of land in this Valley, not too far from some flourishing town on the Railroad bring two or three with me, who would work for me the first year, buy some horses and tools, fence, plant trees, put in some crops and build a house the first year, getting a herd of cattle or band of sheep started also, and expect to find some returns by the second year.

Now, do you think this practicable? that is, with Yankee pluck, perseverance and hard labor thrown in? Are there Land Offices, either Government or Railroad at Stockton where I could get information by writing in regard to land, and any other information in regard to the country.

I am a Builder by trade, a Carpenter, was brought up on a farm, but I suppose farm knowledge here would not avail in California. Should you deem it "in your line" to reply to the interrogatories I shall feel under great obligations to you.

[REPLY.]

Our answer will be brief, but we think the writer can comprehend it.

There is "Government Land" and good "Railroad Land" that can be had at fair valuation in all sections of our State, and there are many counties where general farming is highly prosperous, and in most sections there is water for all

uses needed. Cultivation is however better than irrigation as a general rule. Lumber and all Building Materials, Tools, Stock of all kinds, Clothing, Furniture, Family Groceries are all cheaper here than in the East—Emigrants need bring nothing of the kind, money is the easiest thing to bring.

We think the writer with his Five Thousand Dollars and his good wife and their energy, can do well, and we would like to see a hundred thousand of the same kind of new comers—we would give them all a hearty welcome to our "Golden Land."

From New Hampshire we have the following Letter:

August 5th, 1873.

EDITOR CALIFORNIA FARMER:

Sir—Wishing to come to California to work, and knowing no one there I could think of no one better to write to for information than the Publishers of its principal Farming Paper. I would like to come there and work on some large farm—I have always been used to working on the land—but we farm so different here in New England to what they do in the West that it would seem like new work to me at first, still I could do a great deal of the work there is to be done on a farm, and do it well, and if I could not get farming work, would be glad to do anything else, but I did not want to come to a strange place hap hazard, and thinking you would be able to know of some place where I could get work immediately, I have taken the liberty to write to you hoping you will give me the desired information.

Will you also inform me how cheap one could get boarded during the winter in Southern California. And oblige,

[REPLY.]

Our reply to the writer is—Come to our State and try—if you are a Worker, you can do well and find enough to do—good steady workers are wanted—and board is cheaper here than at the East—Come—Come—Come.

GREATER VARIETY NEEDED.

While the farmers' granges of the Western and Northwestern States are organizing and working for the purpose of reducing railroad freights and charges, they would do well to investigate some other points, which are equally important. It appears, from the last census returns, that one out of every five of the inhabitants in those States is engaged in agriculture, and that their operations in that line are limited to the production of two articles—namely, maize and wheat. There is no lack of breadstuffs in those States. Every body has got enough and plenty to spare, but they have little else, produced by themselves. They are dependent on New England and the Atlantic States for their clothing, boots and shoes, hats, and almost everything they need outside of bread, although possessing abundance of the raw material. They make no efforts at being self-sustaining and independent, but stick to their corn and wheat, as affording the only fields of enterprise.

In 1869, the value of sugar and molasses imported into the United States exceeded the value of breadstuffs exported, by \$34,000,000. No lands are better suited to the raising of sugar-beet than those of the Western and North-western States, yet this great industry is quite neglected and the farmer cannot sell enough wheat and corn to pay for their sweetening, because of high railroad freights. Flax, hemp, and many other products of daily consumption are neglected to a great extent. If extreme Western farmers are anxious for the lowest possible range in freight rates those of New York, New Jersey, Pennsylvania, and the New England States must naturally prefer a little higher level to ward off Western competition.

The plain fact is that the farmers in those districts do not engage in a sufficient variety of productions, which may be readily effected, both in agriculture and manufacture, and are, therefore, dependent on others, while they have the power to be quite otherwise. We are not too sure that the same charge is not applicable to California. But we are making progress in the right direction.

The above we take from the Commercial Herald and Market Review of our City, the Herald a right, our Farmers are making a great mistake in not giving more attention to other produce than the Cereals, they should endeavor to aid in the production of Sugar, Rice, Hemp, Flax, Jute, and every other production that is now imported, and thus keep the large amount of Gold at Home that is now sent abroad for these products, until this is done our State will be dependent on others.

A YOUNG MAN ON A FARM.

Who wants a well Educated and well behaved Young Man on a Farm? here is an unusual chance for a good farmer to obtain very excellent assistance in a Young Man who has a taste for Farming and wishes to learn by work.

See advertisement in another Column.



Agriculture.

THE FARMERS' MOVEMENT.

VIEW OF A PROMINENT MAN.

Hon. W. C. Flagg is the President of the Illinois State Farmers' Association, and an active agent in promoting what is called "The Farmers' Movement" in the West. We believe he is not a member of the Order of the Patrons of Husbandry; for he pronounced the faults of that Order to be its secret organization and its depreciation of political action in its combined capacity. Mr. Flagg recently made a speech at a gathering of farmers at Winchester, Ill., in which he discussed the "Aim and Scope of the Farmers' Movement." It may interest some of our readers if we give them a synopsis of Mr. Flagg's views on the subject.

"Fifty-three per cent," he says, "of the population of the Northwest are farmers. In thrift, vitality and native ability they are inferior to no other class. They ought, therefore, to have a large influence in legislation, but do not—except that in the long run, and upon vital questions the rural population makes itself irresistibly felt and is having great success." But "the farmer has always been easily hoodwinked, always easily led astray by a fluent talker, and never independent in carrying out a policy of his own. Hence the causes which have led to the Farmers' Movement, are:

1. "Grading to railway, express and telegraph corporations powers that are proverbial to the daily taxing or plundering the people."

2. "Grading special privileges in the shape of patents, protective tariffs and banking, which, without being especially injurious to themselves, have aggravated and intensified vital wrongs."

3. "Conspicuous against the public interests generally based upon and originating in these special privileges unjustly granted by National and State Legislatures."

"Of course, there is a good deal of elaboration of these points," then Mr. Flagg tells his fellow farmers what he thinks "We ought to do, solve and to do." "We sum up what he says on this subject as follows:

1. Organize a Club or Grange in every township, admitting thereto all who are interested and sincere in advancing agricultural interests and keeping out all place seekers and officious advisers from other classes. Meet monthly.

2. Reorganizing these Clubs or Granges into County Associations, to hold annual or quarterly meetings.

3. These County organizations to be organized as a State Association, to meet annually for joint discussion of all agricultural topics, political questions, and for purposes of co-operative action. Thus organized, he claims the farmers "can control or crush out all opposing interests; but it should and must be used simply to maintain, perpetuate and defend the rights of the people against corrupt and selfish monopolies."

1. The railroad monopolies must be subdued.

2. Suppress the Telegraph monopoly and connect the telegraph with the Postoffice Department of the Government.

3. Counteract monopolies made by the conspiracy of private parties by counter-combination and action, by building farmers' elevators, manufacturing farm implements, &c., &c.

4. The best agency against unscrupulous wealth, or its similitude, is votes. He attaches great importance to organization and political action; urges that farmers educate themselves in the theories and practices of finance, taxation and government; urges an improved system of finance; that farmers get down to cash payments as a means of reducing expenses and the cost of what we purchase, etc.

Mr. Flagg's speech is fairly summarized here. It is commendable in temper and spirit, contrasted with the speech made by the Secretary of the same Association at the same place the same day. But it is a repetition of what has been said and again published, and which, we suppose, must be again and again repeated, in order that the farmers may be harnessed into a compact organization for political purposes, and aroused to take hold and draw together, and with a will, after they are harnessed.—Moore's Rural New-Yorker.

HEALTHY EXERCISE.

Quite a number of young ladies who have had their seasons at Newport, Saratoga and Long Branch, have been greatly enjoying themselves this summer in the woods at Blooming Grove Park. With rowing and fishing in the lake, rambles in the forest and camping out, they have had a delightful time. They will return to the city with that vigor which will successfully carry them through the fashionable winter campaign.

A WORD FOR THE "HUB."

Hon. John D. Philbrick, one of the United States Commissioners to the Vienna Exhibition, writes home that the "Medal of Merit" has been awarded to Messrs. Brewer & Tuleston, of Boston, Mass., in consideration of their publication of Worcester's Series of Dictionaries. "At Boston," the Commissioner writes, "comes out of the competition covered with honors; various high honors were reported by different sections of the jury, but as the Grand Diploma of Honor was voted unanimously, all other honors, by the rules, were excluded."

BOYS AT FAIRS.

The New Hampshire Mirror and Farmer gives the following sensible suggestion:

But, seriously, it has often struck me that our agricultural societies may do something to arrest the progress of this truly deplorable thing. They offer liberal premiums to women and girls for bread and butter, patching and darning, painting, embroidery, fancy work, etc., etc., and I rejoice that they do it. But never a word is said about the boys. That is not as it should be. The boy should be recognized as a member of society. Let our State society, or any local city, offer liberal premiums to boys, say for the best trained pair of steers, the best colt, cow, sheep, pens of pigs, coops of fowls, collection of seeds, fruits, in fact anything calculated to excite an interest in the boy's mind.

I would even go further. I would have a Boys Department at agricultural exhibitions and let them have the principal part of its arrangements. For judges in that department, I would assign men of character, as well as of good judgment. But this is a rough outline, you can fill it up better than I can do it. I think such a course would have a good effect. It would operate as an incentive to action to many a boy. These boys will be men before many years. By attending fairs and taking an active part in them while still in youth, they will become far better acquainted with each other from remote sections, and will gain a knowledge of the worth and capacity of men in later years, and sometimes, too, that knowledge may prove of inestimable importance. Here I leave the matter to your consideration.

BEET SUGAR IN EUROPE.

The Beet Root Sugar crop of Europe, for the seasons 1872-3, just closing, is estimated, in tons, by the editor of the *Journal des Fabricants de Sucre*, as follows: France, 400,000; Germany, 255,000; Austria-Hungary, 205,000; Russia and Poland, 160,000; Belgium, 75,000; Holland and other countries, 35,000—making a total of 1,121,000 tons, against 873,380 tons in 1871-2, 942,589 tons in 1870-71, and 246 tons in 1869-70. The prospect for the crop this year is at present very favorable, and the editor says: "There is no over estimation, we think, in admitting an increase of about 80,000 tons for the coming season, which will bring the total production of Europe to 1,200,000 tons. M. Licht, of Magdeburg, in his July circular, estimates the crop for this year, in tons as follows: France 440,000; Germany, 275,000; Austria-Hungary, 215,000; Russia and Poland, 160,000; Belgium, 82,500; Holland and other countries, 37,000—making a total of 1,210,000, being an increase of about 85,000 tons over last year's crop. The beet plant, however, is very sensitive to the seasons, and the result for this year cannot be predicted with any certainty."

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

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AND

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108 & 110 Front street and

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SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers,

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ROLLINGSWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 18 inches.

The DEERE PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability, and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 20 inches.

BOSTON CLIPPER PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS.

"MILLER'S" PATENT CAST STEEL SIDE

HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO.,

108 & 110 FRONT STREET,

SAN FRANCISCO.

STATE FAIRS.

AMERICAN POMOLOGICAL SOCIETY.

NATIONAL EXHIBITION OF FAIRIES

Annual Fair at Boston, September 1 to 10.

NEW YORK STATE AG. SOCIETY.

33rd Annual Fair at Albany, Sept. 24th to Oct. 1st.

PENNSYLVANIA HORT. SOCIETY.

Annual Exhibition, Philadelphia, Sept. 15th to 19th. (Large and Liberal Premiums.)

INDIANA STATE AGRICULTURAL SOCIETY.

GRAND STATE EXPOSITION, Held at Indianapolis September 10th to October 15th. (Premiums over One Hundred Thousand Dollars.)

IOWA STATE AGRICULTURAL SOCIETY.

29th Annual Fair, Cedar Rapids, Sept. 8th to 12th.

KANSAS BOARD OF AGRICULTURE.

Annual Fair, Topeka, September 26th, to 28th.

MAINE STATE AGRICULTURAL SOCIETY.

Annual Fair, Bangor, Sept. 15th to 19th inclusive.

NEBRASKA STATE AGRICULTURAL SOCIETY.

Annual Fair, Lincoln, Sept. 1st to 5th inclusive.

ILLINOIS STATE AGRICULTURAL SOCIETY.

Annual Fair, Peoria, Sept. 15th to 20th inclusive.

MICHIGAN STATE AGRICULTURAL SOCIETY.

Annual Fair, Grand Rapids, Sept. 15th to 21st inclusive.

WISCONSIN STATE AGRICULTURAL SOCIETY.

Annual Fair, Milwaukee, Sept. 23d to 26th inclusive.

OHIO STATE AGRICULTURAL SOCIETY.

Annual Fair, Mansfield, Sept. 1st to 5th inclusive.

MISSOURI STATE AGRICULTURAL SOCIETY.

Annual Fair, St. Louis, Oct. 6th to 12th inclusive.

MINNESOTA STATE AG. SOCIETY.

Annual Fair, St. Paul, Sept. 23d to 26th inclusive.

KANSAS STATE AGRICULTURAL SOCIETY.

Annual Fair, Topeka, Sept. 15th to 19th inclusive.

GEORGIA STATE AGRICULTURAL SOCIETY.

Macon, October 27th, to November 1st.

CALIFORNIA STATE AG. SOCIETY.

Annual Fair at Sacramento, September 25th to 31st.

COUNTY FAIRS.

THE STATE VINE GROWERS AND BRANDY

MAKERS' ASSOCIATION

Join the State Fair as usual.

SAN JOAQUIN VALLEY AG. SOCIETY.

Annual Fair at Stockton, September 30th to October 1st.

SANTA CLARA AGRICULTURAL SOCIETY.

Fair at San Jose Sept. 22d to 27th inclusive.

NORTHERN DISTRICT FAIR.

Annual Fair, Marysville, Sept. 5th to 13th inclusive.

SANTA CRUZ DISTRICT FAIR.

Soquel, time not fixed.

NAPA AND SOLANO DISTRICT

Annual Fair, Vallejo, Sept. 9th to 13th inclusive.

SONOMA AND MARIN DISTRICT

Annual Fair at Petaluma, Oct. 5th to 11th inclusive.

UPPER SACRAMENTO VALLEY

Annual Fair at Chico, Sept. 22d to 27th inclusive.

CONTRA COSTA COUNTY FAIR.

Annual Show at Pacheco, Sept. 22d to 25th inclusive.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Travel over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most commodious and comfortable Homes for those who Journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, in Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend them of whom we speak from personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.
" Callisto Hotel..... Callisto.

BIG TREES OF CALAVERAS.

Via Waters, Railroad and Carriage.
Yosemite Hotel..... Yosemite.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.
Golden Eagle Hotel..... Sacramento.

SAN JOSE, ALMADEN MINES, &c.

The Acacia Hotel..... San Jose
BIG TREES OF MARIPOSA

Via Stockton by Railroad and Stage.
Clark & Moore's Hotel..... Clark's Station.

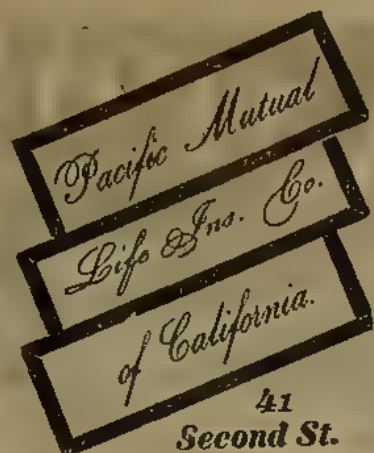
YOSEMITE VALLEY.

Hutchings' Hotel..... Yosemite Valley
MARIN COUNTY.

Marin Hotel..... San Rafael.
Travelers who are strangers can rely, that at these Hotels they will ever find the best and kindest attention and courtesy, and will never be imposed upon by exorbitant charges.

PLACE WANTED FOR A YOUNG MAN.

A situation is wanted for a Young Man of 15 years of age on a Farm in the country. The Young Man is well educated, healthy and strong. His Parents desire he should be trained on a Farm for which he has a strong predilection. Any Farmer who wishes such a Young Man who will train him to the knowledge of Farming and treat him well can learn of him by addressing G. A. B. at Farmers' Office.



LELAND STANFORD,

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THE

STUDEBAKER WAGONS.



HAVE BECOME THE

"Standard" Wagons of the Pacific Coast.

FOR QUALITY,
DURABILITY,
LIGHT RUNNING,
GOOD PROPORTION,
AND EXCELLENT STYLE.

They have No Peer.

IRON AXLE, THIMBLE SKIN, HEADER, and SPRING WAGONS,
Of all sizes, with Heavy Tires riveted on, always on hand and sold for \$75 to \$175.

Having established a Manufactory to build Wagons, Beds, Brakes and Seats, I am better prepared than ever to furnish

JUST THE KINDS OF WAGONS NEEDED.

The attention of Dealers is especially requested.
E. E. AMES, General Agent,
Factory and Depot, 217 and 219 K St. Sacramento.
30,9m



NAUBUC.

TROTTER STALLION, NAUBUC.

This extraordinary Breeding Stallion is 13 hands 2 inches high, in color Clear Jet Black, his weight is 1000 pounds. Naubuc was sired by Toronto Chief, out of the famous ten-mile trotting mare Gipsy Queen.

Toronto Chief was the first horse that trotted a half mile a race of 1:34; he beat Commodore Vanderbilt in three straight heats in 2:23 1/4, 2:23 1/4, 2:24 1/4. George Bidwell, who owned, trained and drove Gipsy Queen, claimed that she was by Wagner, out of a mare by Glencoe, and in her last ten mile race with Capt. McGowan was beaten less than a length in 9:11. Naubuc's sire, dam and full brother, Thomas Jefferson, with a record of 2:25 1/4, are all famous on the Turf, and in the Sled, which entitles this horse to special favor among the Breeders of this State.

Naubuc will stand this Season at the Naubuc Farm, San Lorenzo, Alameda county, the Season ending July 1st. Terms, \$50 for the Season. For particulars send for circular to 29 1/2 California street, San Francisco.

THE ITALIAN BEES.

The Italian Honey Bee, has now been so well proved in California that it can be safely estimated as worth four times as much as the old Black Bee.

The Italian Bees are easier to manage and handle in every way—in "Swarming," in "Removing Honey," or "Transferring," and experience has shown that they will make double and triple the quantity of Honey of the Black Bees.

Persons wanting swarms of "Italian Bees" can see them at work and receive all instructions for their culture by calling at the Garden, corner of Mason and Pacific Streets.

BAGS! BAGS! BAGS!!!

Messrs. Ross, Dempster & Co., large Importers of Grain Bags, are offering them by large invoices to the trade, this House will sell them by Millions annually.

OIL CAKE MEAL

THE BEST FEED KNOWN

FOR LIVE STOCK

WE DESIRE TO CALL ATTENTION TO OIL

CAKE MEAL, which we are now manufacturing in description of feed as greatly promotes the health of all cattle as Oil Cake Meal, and we urgently request all engaged in the dairy business, raising and fattening stock, or who are growing, to give it a trial, feeling confident that they will find it of very great value. By those who have used it they ought, ONE pound is pronounced to be equal to two pounds of Corn Meal, and in the United States Government Report of the Department of Agriculture for 1865, it stands to the following relation to other feeds as to the percentage of flesh produced from a hundred pounds of feed, viz: 100 lbs. Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 18 per cent; Oil Cake Meal, 23 1/2 per cent. For 100 lbs. of Oil Cake Meal, 23 1/2 per cent, and to sudden change in weather or over-driving, these are equal.

For MILK COWS it is particularly valuable, increasing the quantity of milk and preserving its quality to an extent not attainable by any other feed. A suitable quantity for them at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other food generally mixed with the most of bran, slops, roots, or any feed of any kind. It improves it to eat it for six or eight hours, the effect being to increase the bulk two or three times. The quality can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR BEEF CATTLE it has fattening properties when cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and evenness and glossiness of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton or so promotes the growth of wool. A small quantity given to chilled cattle or sheep will keep them alive and greatly increase their warmth and vitality.

At present price \$3.00 per ton, it is the cheapest feed market. It is now selling in New York at \$4.00 per ton, good at \$5.00 per ton in England, where it has been proven for long time to be in every respect the most profitable feed known for stock of all kinds—one being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manure Store, King Street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET,

Sacramento

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

21 and 23 Barclay Street,

WALTER BROWN. NEW YORK.

HENRY T. BROWN.

Consignments Solicited, and advances made if required.
423-17

JAMES CARLAN & CO.,

IMPORTERS OF

Foreign and Domestic

HARDWARE,

Agricultural Tools,

Baling Wire and Rope,

CUTLERY &c.

COR. FRONT and J. STREETS,

SACRAMENTO.

30.13

Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale. He has on hand and now ready to deliver

Pure Bloods,

Half Bloods, and

All Grades up to Pure

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Eldorado, Eldorado Co.

N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats. The Editor can also give particulars.

37.17

VERY RARE SEEDS.

A Large collection of Very Rare Seeds just received from AUSTRALIA, among them the finest TREE and SHRUB Seeds of Rare Beauty and Value. Send orders to

FARMER OFFICE.

Horticulture.



GRAPE PLANTING.

As the Season for Planting the Grape will soon be with us, we present a Chapter on the "Influence of Climate on the Grape," which we copy from the *Wine and Fruit Reporter* of New York, as translated from the work of M. le Comte de Chaptal from the work *L'art de faire le Vin*.

ON THE INFLUENCE OF CLIMATE ON THE GRAPE.

All climates are not equally well adapted for the culture of the vine; when the faculty of man compels it to grow or rather to vegetate, in the north, the grapes it bears will certainly not arrive at a perfect maturity. It is equally certain that the juice of grapes grown in countries situated above the fiftieth parallel of latitude, does not ferment sufficiently to form a tolerable, not to mention a palatable wine.

The berries of the vine acquire their fragrance and their saccharine only under the influence of an equable temperature, and a nider the constant action of the rays of the sun. The sour or acid juice contained in the berries during the early stage of their growth, is not fairly distilled by a northern sun, but makes itself painfully perceptible when returning frosts have stiffened the delicate fibres.

On the account grapes which grow in high latitudes easily rot, and contain almost no saccharine, by pressing juice from such fruit, and causing it to ferment, we obtain a crude fluid, which has hardly alcohol enough to prevent it from putrefying.

Like every other product of our planet, the vine has its own climate, under which it thrives richly. This territory, which may be called the vine zone proper, is found between the 35th and 56th degrees of latitude, north of the equator. Here are the most renowned vineyards and the richest vineyards of the world: Portugal, Spain, France, Italy, Austria, Sicily, Calabria, Hungary, Transylvania, and a part of Greece. In Persia the vine is grown in the 35th parallel under a mean temperature of 28° F.; although at that place, as M. Olivier informs us, the vines must be frequently watered, to save them from being withered by the scorching rays of the sun. Even above the 52d degree the climate is frequently made, but the care here required is two minutes, or the results are too meagre and insignificant. It is evident, therefore that the temperate climate found between the 40th and the 50th degrees, is the most desirable for the vine.

Of all countries above named the most favored by its position is France; nor such highly favored locations, and none rejoices in no remarkable proportions a variety of temperature. It would seem that Nature has strewed all her favorite plants, in the most varied climates and varieties, each endowed with peculiar qualities, broadcast over this splendid country, as if to display all her wealth at a single glance. From the Vosages to the Pyrenees vineyard have been planted wherever the character of the ground admits of it, and on this vast expanse of territory we meet with the finest and most fiery wines of Europe. They thrive here so nobly that not only the demand of the domestic population is more than covered, but large quantities are exported. The trade in wine with foreign countries has assumed such colossal dimensions, that a large portion of the French people devote themselves exclusively to this lucrative branch of industry, as well as to the making of wines connected with it. Besides the exceedingly simple assortment of the wines of France, because the most delicate gourmand can obtain the wines that suit his taste from France as well as in any ordinary circumstances.

While, in general, climate exercises a nearly equal influence upon all vegetable products, still its effects are modified by certain incidental peculiarities. The latter are perceptible only to the acute and diligent observer who is capable of perceiving the smallest changes, and tracing their causes. It is a fact, for instance, that grapes grown under precisely the same conditions of climate produce wines which differ materially in points of flavor. This observation may be referred as well to differences in the soil, as to the location of the vineyards or the manner in which they are cultivated.

How considerable is the influence of climate on wine is perhaps more easily noticed than in observing the changes which occur in a vine that has been transplanted to a distant country. Even where, under a different sky, the soil and the treatment are exactly the same, as in the mother country, yet the slightest affinity is perceptible in the fruits grown at the two places. Thus it is well known that in former times vines were exported from Burgundy to the Cape, under the care of which distant region they produce Cape wine, which certainly has nothing in common with Burgundy. The same origin is also that of many of the wines grown in Spain, which are so popular at Madrid as the most delicate products of Spain.

History also informs us that the vine transplanted from Greece to Italy by no means yielded the same wines as they did at home, and that the renowned Falernian, which, grown at the foot of Mt. Vesuvius, has discredited all recollections of its early youth. As an instance, at the other hand, if deterioration in consequence of the transplantation of vines, be it mentioned that the excellent wine brought to Fontainebleau from the Levant at the reign of Francis I. produce but a very common-place crop in their present home. All this

goes to show that one and the same plant will produce very different kinds of fruit under different conditions of climate.

To sum up what we have hitherto said, it is clear that a warm climate, under which the saccharine contained in the grape is considerable, bring forth a wine of great fire as the quantity of alcohol depends upon the amount of saccharine. In a cold climate, on the contrary, wines are always weak and thin, and rarely have an agreeable bouquet; the latter is generally of short duration, and the wines are apt quickly to turn or surely to grow sour.

DOUBLE FLOWERING PEACHES.

A correspondent of the *Tribune* is heartily enthusiastic in encouraging the growth of Double Flowering Peaches in our American orchards. He says:

"We have seen groups composed of some six different colors, where the effect produced was really grand. The white is, indeed, perfectly charming in its simple purity, and the shades of crimson are unusually brilliant; then again the striped varieties please by their novelty. We now have another claimant for public notice in the 'Blood-leaved Peach,' which is a decided acquisition, especially when planted in a group, so that its peculiar purple foliage contrasts well with the green of other trees. We have personally tested its merit in this way, and know whereof we speak. Another new variety, of a tall columnar habit, comes from the South, in the way of the 'High Jupiter,' or as a malolator Lombardy poplar. It would relieve the stiffness of a group by having a place assigned it in the center. Other closely-allied varieties are, as well, valuable for our gardening operations. The *Prunus triloba*, from Japan, makes a grand show with its large double-colored bloom, and the large double-flowered almond is exceedingly attractive. The dwarf almond, both white and rose, are top well known for a lengthy description, but a place should always be assigned them in every collection. We reserve the best wine to the last. 'Reid's weeping peach' is indeed a perfect beauty, needing no artificial training, but in a natural manner, with a graceful curve, each branch represents an acquisition which amply repays its owner a hundred fold for his care in its behalf. We know of no 'keeper,' not even the much-extolled Killmarnock willow, that can surpass it."—*New York Horticulturist*.

WINE WORTH \$40,000 A DROP.

The city of Bremen possesses twelve hogsheds of what, according to certain calculations undertaken by the *Neue Freie Presse* must be the most expensive beverage in the world. The town purchased in 1824 twelve hogsheds of Rudesheimer at 300 gold thalers each. These were placed in the municipal cellars, where they still remain. At the end of next year these hogsheds will be 250 years old, and will, reckoning the interest on the original price at five per cent, have cost 780,680,000 Prussian thalers. The value of wine from evaporation is always estimated at five per cent. per annum; there remains, consequently only 485 bottles of the original supply. This annual loss has been made up by means of old wine found in the cellar. Valuating the price of a bottle of this wine at one thaler only, the 216,000 bottles which will have been thus added by the end of 1874 will be worth \$2,272,920,000 thalers, granting the same rate of interest, five per cent. At the end of next year the twelve hogsheds thus replenished will have cost 218,500,000 thalers, giving an average of 244,242 thalers per bottle. The hogsheds are not, however, all of the same value. They are filled up on a system by which the wine added most, in the course of time, pass through all the eleven hogsheds before reaching the last which contains the oldest and most precious liquid, each drop of which, reckoning a bottle at 1,000 drops, is now worth \$6,000 thalers.

THE FRUIT TRADE OF MALAGA.

From the reports of a Malaga firm well known in the trade we learn that the shipments of raisins during the first six months of the year have been as follows:

To the United States	311,500 boxes,
" South America, Havana, &c.	24,000 "
" England	5,000 "
" France	9,000 "
" North of Europe	18,500 "

Total 385,000 boxes.
—*British Trade Journal*.

POSITIONS AND PLACES WANTED.

We are constantly in receipt of Letters from the Eastern States, seeking inquiries for prominent places for competent persons as Head-men on Stock Raising Farms, Overseers on Ranches, Head-men to conduct a Dairy, or a large Poultry establishment. This shows that the various and large products that are shipped over the "Railroad" and by Steamers East, are attracting great attention, so much so as to induce those who feel qualified to act as Superintendents to desire to come to our State, as a new field of operations.

As it is in our power to furnish both parties, the Employer and Employee, with what they desire, we advise all such to make known their wishes fully and counter with us.

WARREN & CO., FARMING OFFICE.

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they can show written Authority from us.



Thirteen First Premiums

RECEIVED IN 1887 & 1888.

WHITE AND RED WINES.

Gold Medal Awarded

BY THE STATE AGRICULTURAL SOCIETY, 1867.

Silver Medal

BY THE MECHANICS FAIR, 1868.

FOR THE BEST SPARKLING WINES.

LANDSBERGER & CO.

20-12. 422 to 428 Jackson Street.

AGENCY OF

The Orleans Hills Vinicultural Association,

Sacramento, California.

Messrs. Pellett & Carver,
ST. HELENA, CALIFORNIA.

Wine Cliff Vineyard,
BURRAGE & TUCKER, PROPRIETORS,
NAPA, CALIFORNIA.

And many other Vineyards throughout the State.

SOUTHERN REFINING COMPANY,
LOS ANGELES, CALIFORNIA.

Potrero Distillery Company,
SAN FRANCISCO, CALIFORNIA.

JAMES HENNESSY (established 1817),
COGNAC, FRANCE.

On hand, and for sale, in Wood or Glass, in Lots, to suit the trade.

Dry White Wines from Mission, Red Bluff, Orleans, Chasselas, Fontainebleau, Gray Malvoisie, Berger, Zinfandel, Muscatel, and White, Muscat of Alexandria Grapes. Dry Red Wine from Mission, Zinfandel, and Malvoisie Grapes.

CHAMPAGNE.

Port, Angellie, and Sweet Tokay.

BRANDY, VINTAGE OF 1871, 1870, AND 1852.

Pure Spirits from Grapes, Wheat, and Corn.

JAMES HENNESSY'S BRANDY, in bond or Duty Paid.

J. M. CURTIS;

Wine and Spirit Commission Merchant,
No. 434 Jackson Street.



Real Estate to Exchange.

A good located permanent Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. D., FARMER OFFICE.

89-17

SEEDS AND PLANTS BY MAIL.

"During the last Session of Congress a bill was passed which curtailed very much the sending of Seeds and Plants by mail as it changed the Law which allowed sending packages of four pounds, and restricted it to parcels of only 15 ounces. This act was so universally condemned that numerous resolutions and Letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, &c., at the old rate of 6 cents per pound.

RATES OF POSTAGE.

For Packages of Four Ounces, 2 cents;
Eight " 4 " "
One Pound, 8 " "
Four " 32 "

It must always be borne in mind by all who send Seeds or Plants by mail, that every package must be done up securely and every package, Seeds, or Plants, must be prepaid, there is no free Newspaper Mail.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of all kinds at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, we shall be glad to see you.

THE GERKE WINE.

The Product of the Celebrated Hoenigke Vineyard, Located at Vina, in the Foot Hills of Tehama County.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that) which is now offered being the vintage of 1868.

And in order to safely guarantee its purity, is sold only in Bottles bearing the Trade Mark, H. G. upon the Label.

WORKS

SHERBY,

MALAGA,

REISLING,

MUSCATEL,

ANGELICA,

CLARET

are also Products of the same Vineyard, and sold in any desired quantity.

Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

The Wines from this Vineyard are pronounced by competent judges to be the best brands of California Wines.

HENRY GERKE,

418 and 420 Market Street, Cor. Sutter,

San Francisco, Cal. P. O. Box 644.

GEO. HAMLIN, Manager. 38-21

G. GROEZINGER.

DEALER IN:

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, Angelica, &c.

Northwestern corner of Battery and Pine streets,

SAN FRANCISCO

HOAG & CO.,

General Produce.

COMMISSION MERCHANTS

NO. 209 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides, Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco.
B. N. WILLIAMS & Co., Eureka, Humboldt, Ely, Corvallis & Belcher.
BANK OF SONOMA COUNTY, Petaluma.
I. F. WICKERMAN & Co's Bank, Petaluma.
BANK OF SAN DIEGO, San Diego.
Cash advanced on Consignments and on Prope in Store. 38-13

Beautiful EVERGREENS.

3,000 CYPRESS 3 YEARS OLD, very low.

The finest collection of EVERGREEN TREES, ORNAMENTAL SHRUBS and FLOWERING PLANTS in the State.

New and Rare Plants a Specialty.

My collections of Pinks, Fuchsias, and Roses are unrivalled.

Choice Flower Seeds, Garden and Grass Seeds fresh and genuine.

BUY FROM FIRST HANDS.

Established 1852. JAMES HUTCHISON,
Bay Nursery,
Oakland, Cal.

J. W. COPPAGE.

J. W. COPPAGE & CO.

COOPERS.

All kinds of Cooperage on hand and made to order on reasonable terms.

REPAIRING, NEATLY DONE.

112 and 114 Jackson St.,

Between Drumm and Davis,

SAN FRANCISCO.

THE DRON.

Auzerais House,
SANTA CLARA STREET, SAN JOSE.

S. W. CHURCHILL & Co., Proprietors

COMMISSION

SALES-ROOM

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience to purchasing such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or it could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our special business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following:

THE POTATOE PLANTER,

JEBB'S PATENT CHURN,

CHEESE CURD CUTTER,

PATENT WEDDING BOX,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OR ALL THE VALUABLE KINDS.

Also

TOBACCO SEED.

COTTON SEED

COFFEE SEED

TEA SEED

THE BEST KINDS OF

FIELD GARDEN FLOWER.

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

of the best kind.

GREENHOUSE AND BEDDING PLANTS.

These are grown at our greenhouse under our own care, where they always can be selected.

Any one desiring to having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants, raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

Gardens and Greenhouses designed and put in order, had every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Magazine, which are free to all who refer to WARREN & CO.

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THE CALIFORNIA FARMER,
SAN FRANCISCO.

THURSDAY EVENING, SEPT. 11, 1878.

THE CALIFORNIA FARMER READING ROOM AND
MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs
FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER
Office is always open, and an affable ready to make
a visit instructive to those who take an interest in the
production of our State. Samples of all productions—
Grains, Fruits, Models, Inventions, Minerals,
and specimens in Natural History innumerable, are
constantly being added.

FARMERS' READING ROOM

Formers and mechanics, from the country, who visit
San Francisco, should visit the Free Reading Room and
Museum of the FARMER Office. Members of the Press
and Strangers are particularly invited to avail them-
selves of these rooms. Newspapers from every State in
which we have access by mail, as well as Foreign News-
papers, Periodicals, and Magazines are upon file and
on the tables for use; a Good Library of hundreds of
volumes, with works illustrative of Agriculture, Horti-
culture, and Floriculture, works for reference upon all
Science with a Cabinet of Minerals, Coins, and Curio-
sities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FAR-
MER, payable in advance, is TWO DOLLARS for five
lines or less of space, in Roman type, for one inser-
tion, twenty cents a line for any larger space. Each
subsequent insertion half the first rate. This is believed
affords the cheapest and best medium of reaching the
Agricultural community on this coast. As heretofore the
right is reserved to reject any advertisement deemed ob-
jectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER will
this pamphlet marked, may understand it is sent in
them for their examination, hoping our paper will meet
their approval and induce them to subscribe, and to ask
their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

J. M. PETERSON & Co., 10 State Street Bo-
ton 37 Park Row, New York, and 701 Chestnut Street,
Philadelphia, are our Agents for procuring advertise-
ments for THE CALIFORNIA FARMER in the above
cities, and authorized to contract for advertising at our
lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with
Readers and Correspondents, and here we shall
their attention to such articles in each issue of
our journal, to which we would direct their special
attention.

OUR PRESENT NUMBER.

With the present number we close our 39th
Volume, and our Volume Forty will open with
our next issue to which we invite special atten-
tion. In that number we shall have a few words
of Address to our Patrons from whom we hope
to have continued encouragement and their in-
creased Patronage.

Our "Home Department" offers both Poetry
and Prose, that will prove valuable to all pro-
gressive minds. Mothers will find in "Baby
Thoughts" a beautiful picture.

We present our Readers in the present number
with our European Letter, which gives important
information relative to the Agricultural and Stock
interest for France.

Our Valued New York Correspondent gives us
another welcome Letter.

We present also another Letter from "Oliver
Atherton" that will be acceptable and welcome
to our Lady Readers.

Two Letters from the East shows the feelings
of the people who desire to learn all about Cali-
fornia.

MEET US AT THE FAIRS.

We shall be truly grateful, and esteem it a
special favor if our Patrons will meet us, and
make themselves known to us at the Fairs, as we
are desirous to secure all the information possi-
ble—our Patrons can do us a great favor by fur-
nishing us all the items they can of interest in all
cases of Agriculture and Stock Raising, they can
also receive from us something that will fully re-
compense them for the interest they take in this
matter.

THE FIREMAN'S SONG.

From Gray's Music Store has just been sent
forth a new "Fireman's Song," it is dedicated to
O. T. Ward, Jr., Esq., the "Chief Engineer," and
to the "Hayward Fire Department" of Alameda
County.

This is a Capital Song and with "Chorus" true
and appropriate to a Fireman's Vocation, as fol-
lows:

"All honor to the gallant boys,
So fearless and so brave,
Who risk their own thousand times
Our lives and Homes to save."

Our Firemen all should have this Song as their
Watch Word and "Battle Cry."

THE COOPER UNION, NEW YORK.

We have been favored by O. W. Morris, Esq.,
Librarian, with the Forty-fourth Annual Report of
the Trustees of this Institution. This Report
was made May 31st, 1878, giving a full history of
the Institute. We have also received the "Ad-
dress of the Graduates and Pupils," to Peter
Cooper, Esq., the founder of this Noble Bau-
seum with the reply of Mr. Cooper.

We return thanks for these very interesting
Documents, we shall take early opportunity to
speak from these pages.

Thanks we give to the New York State Society
of Agriculture for Documents of value from them.
Lothrop—Captain Jack in chains.

WHAT OF THE HARVEST?

The Harvest has been completed, the crops
housed and all safe from the coming storms, yet
the amount of this year's harvest are variously
estimated by various interests. That the harvest has
been a large and a good one, no one can doubt
who recognizes the loading of nearly Forty cars-
goes since the first day of July, and which has
added nearly Two and a Half Million Dollars
to the wealth of our State for its exported Grain
Crop.

That Grain Growing pays is plainly shown by
the facts that although our Farmers make many
complaints about the cost of harvesting and get-
ting to market, yet the majority of them keep ad-
ding to their acres, putting in more and more every
year, this is a pretty good proof that grain grow-
ing pays.

The late advance in Grain has been the means
of forcing it rapidly to the front and sending it
abroad more rapidly than would have been done
if the price had remained at a low figure, as our
growers had determined to hold it for better rates,
as higher prices came, not by reason of our Far-
mers holding on, but by reason of the advance in
Europe, caused by our anticipated short crop, and
also a less rate in freights from here to Europe,
which enabled our Shippers to pay higher prices
for their Grain. It must always be understood
by our Growers of Wheat that the Liverpool Quota-
tions in a great measure govern our market rates
here.

A large and sudden rise in Wheat has oc-
curred, sending it up to \$2.35 @ \$2.40.

The price of Grain at this time with the as-
surance that Grain will command a good price for
the next year or two will prompt our Farmers to
extend the area of cultivation much larger than
last year, and this settles on their part is a com-
plete refutation of the statement that Grain
growing does not pay.

Now that the Elections are over we may expect
to see the Farmers busy at the Fairs—we hope
every County Fair and the State Fair will be a
success, for the number of new comers to our
State that will attend our Fairs will be large, and
they will report all they see, so that it is for the
interest of our Farmers to make every effort in
their power for a good and handsome showing for
every County. For our Grain Growers see that
large Samples of Grain are at every Fair.

The Wheat Crop as we have all along said will
be larger this year than many have expected, and
the very best in quality yet grown in California—
this is the result of a better system of cultivation
and earlier planting.

Barley, Oats, Rye, Buckwheat and Oron, have
all prospered this year, no better Corn can be
shown in the United States than is grown now in
California.

The Root Crops of all kinds will be large and of
superior quality.

The Hay Crop large and better cured, this brings
a better price.

The Wine Crop will be small but good in quali-
ty while the Wine of last year has improved and
both of more value.

The Orchard Fruit is very plenty, too much of
it small and worthless and will never be better
until more attention is paid to the pruning and
care of the trees. One of the greatest errors of
our Orchardists is that because Fruit is cheap it
don't pay to spend time on the orchard, if more
time and care was given, the Choice Fruit would
bring three times the price of common—Choice
Peaches sold this week for 25 cents each.

The Grapes Crop for table use is not large but
shows better, Choice Grapes command good prices.
The Wool Clip of the State will be, a good one
in quantity but price much less than last year.
The present appearance of the European and the
Eastern markets indicate a rise here in wool to
some extent.

OUR PIONEERS.

The 23d Anniversary of the Admission of Cali-
fornia was well Celebrated on Tuesday by the
"California Pioneers," and in a becoming man-
ner.

The Military under Gen. Hewson made a grand
and showy parade in the morning, consisting of
the entire Brigade, which attracted much atten-
tion and was made more brilliant by the glorious
beauty of the day which seemed ordained to be a
bright day for this event.

The Pioneers made a large Rally, and Celebra-
ted the event at "Badger's Park," East Oakland,
where a Brilliant Oration was delivered by J. C.
Winans, Esq., and a Poem of great merit and ex-
cellence was read by J. C. Severance, Esq., these
Exercises were listened to with marked attention
by a large audience, after which the Young Folks
enjoyed the Dance while both Old and Young
roamed in the Gardens and made a happy day of it.
So ended the 23d Anniversary of Our State.

THE COMING AGRICULTURAL FAIRS.

This week the Ball Orens ago our Agricultural
Fairs begin.

The First, is the "Northern District Fair" at
Marysville, began on Monday.

The Second is the Napa and Solano, the Fair at
Vallejo began on Tuesday the 10th, and others
follow on in rapid succession.

The Third will be the State Fair at Sacramento,
commencing on the 15th, being the Second week of
our Fairs.

Let all who can, take an active interest, contrib-
ute what they can, and visit as many Fairs as pos-
sible, and thus they will learn the various pro-
ducts of the different counties, the knowledge
thus gained will amply repay all the cost and
trouble.

We refer all who wish to learn all about the
Fairs, to our List of Fairs in this Number, the
most complete List yet published in the State.

The Cincinnati Grand Exposition opened with
great eclat last evening under the most favorable
auspices, giving promise of a great success.—Ex-
change, Sept. 2d.

THE FARMERS' MOVEMENT.

The rapid increase of "Farmer's Granges" in all
the Eastern States, and their rapid growth here
also, is an evidence that Farmers are now waking
up to their own interests, and are resolved to have
a word or two to say, and resolution to take a part
in all the matters that appertain to their own
interests, or interests that have a bearing upon
their own. This is right and commendable, and
a course this Journal has advocated for the en-
tire period of Twenty Years, as its pages will
show.

Our Farmers have too long stood in the back
ground and permitted politicians and tricksters to
rule the Legislature to the utter neglect of the
Agricultural interests, so much so that some
Governatorial Messengers have gone to that body
without the word Agriculture in the Message.

We trust the time has come when our Farmers,
Stock Raisers, and Cultivators of the soil, all over
our State will come together, ascertain what is
wanted to advance their own interest and ask
that these wants shall be supplied by the Legis-
lature.

By this we do not by any means suggest any
dictatorial measures, but only such as are clearly
reasonable and just.

Among the most important matters to be con-
sidered are the "Fence Laws," "Our Public Roads,"
"Turnpikes," "Bridges" &c., these last two should
be fixed.

There are many subjects besides these "Trees
along our highways," "Mill Stones," "Guide
Posts" &c., all demanding attention and our Far-
mers are more interested in these than any other
class, for they are the great majority in the coun-
try.

We speak of the "Farmers' Movement," now,
as the "Season of Fairs" is at hand, when Farmers
assemble in large masses and these subjects can
be talked about, and preparation made to bring
these matters before their "Granges" in their
several districts.

While speaking of the Farmers' Movement, we
call special and earnest attention to the Article
on the 19th page this week—an Essay in print by
a well known friend of the Farmers' interests which
we take from the Rural New Yorker. We com-
mend its counsels to our Farmers, and now would
suggest that at all our County and our State Fairs
also, there should be a stated time appointed, on
one or more evenings when Farmers shall as-
semble for general consultation of these matters.

THE STATE FAIR.

All who desire to take a part in the coming
State Fair at Sacramento, and who wish infor-
mation upon the subject will find Catalogues with
Premium Lists, Rules and Regulations, and all
matters appertaining to the Fair at the FARMER
Office, all Documents and information free to all.

THE NORTHERN DISTRICT FAIR.

The Northern District Society began its Annual
Fair on Monday according to its Programme.

The Exhibition of Stock was as expected good,
Mr. Sweeney's Stock making a fine show, the Races
however took precedence of all interest now.

The Exhibition at the Fair was not full nor
large at the time of our writing, better things are
expected before the Fair closes—as usual our peo-
ple are behind hand and slow in preparation—our
Fairs will never be what they should be, until
prompt work at the Day of Opening shall be the
Law. Reports next week.

NAPA AND SOLANO FAIR.

The Napa and Solano District Fair opened its
doors at the Hall of Exhibition per Card du Tues-
day, but it will require a couple of days for all to
be in "Apple Pie Order," as the saying is.

There is a fair show of Stock at the "Fair
Grounds," but the "Horse Stock" is the largest,
the Races are very attractive and draw the crowd.

The Races carry the enthusiasm, the duties of
the other work seem to be hard always and are
delayed, the Horses all "Come to time" at the
top of the Drive. We wish it were so at our
"Exhibition Hall"—will it ever be? Further
Reports in No. 1.

OPPORTUNITIES FOR STOCK.

The period of Stock Exhibitions both at Coun-
ty and the State Fairs will be an excellent time
for all who desire to purchase Fine Stock of any
kind to make a good examination of all the Stock
Exhibited, and thus make the best selection for
themselves.

The object of these Exhibitions is for the pur-
pose of comparison, one with the other, and the re-
jection of the inferior, for the best is always the
cheapest to raise, good Stock will always sell,
and at the best prices, while poor Stock don't pay
the feeding and care of it.

The Exhibition of Stock this year will undoubt-
edly be the best ever made in this State and a grand
opportunity to purchase.

BAY DISTRICT HORTICULTURAL SOCIETY.

The Bay District Horticultural Society an-
nounced their Third Annual Autumn Exhibition
to take place, commencing September 30th, and
continuing till the 4th of October.

This exhibition will be held at Horticultural
Hall on Stockton Street, the same place of for-
mer Exhibitions. A largelist of liberal Premiums
is announced and sent forth in their Circulars,
and every effort will be made on the part of the
Managers and Members of the Society to make it
an attractive and creditable Exhibition, and as
the County and the State Fair will be over it is
hoped the Florists of other Counties will take an
interest in this Exhibition.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of
all the Routes of the Universal Pacific, Western
and Southern Pacific Railroads, with Time
Tables complete, together with Steamboats and
their Time Tables, all corrected and complete,
for reference, and for all travelers.

THE ELECTIONS ARE OVER.

The Elections are over, the Votes are cast, the
fate of each candidate has been settled, and will
be known as soon as the work of counting the
votes is done.

We have never yet known of so much discredi-
table and even dishonorable warfare, either by the
Newspapers or Public Candidates or Individuals, as
has been carried on during the late contest in our
City and State. We rejoice that it is over, no real
good can ever come by vilipendation, scandal,
slanders, and personal abuse.

In a late number of Real Estate Circular we
noted with pleasure a timely rebuke against the
Gross trade that has been waged against the
Managers of the Central Pacific Railroad, and
which we copy. That Circular says:

We feel sure that Leland Stanford, Mark Hop-
kins and C. P. Huntington are not by any means
points of view in elevated type of character that
they would, Shillab-like bear direct translation to
heaven; nevertheless, we do not hesitate to say
that anything more, more unjust or contempti-
ble, than this treatment they are now receiving
cannot be piled to in the history of newspaper
trade. We cannot believe that the people at large
sanction this crusade; though, even if false-
ly-created prejudices had led them to do so, we
would none the less express our belief of its base
injustice. If there is a single subscriber to or
advertiser in the Circular to whom this expression
of opinion is not palatable, we beg that he will
withdraw all patronage from us, whether the
same be small or large. Thousands of persons in
the city would like to express themselves as we
are now doing, but, because of newspaper libel
and restriction, they are afraid to. We are not
afraid, however, and purposely select the time
when railroad bonding is most active to delib-
erately place our opinion on record before the pub-
lic.

INSURANCE OF THE RIGHT KIND.

Insurance of the Right Kind is that which shows
the Policy to mean God when the Fire comes to
make its Mark of Devotion upon the Home or the
Property of the Insurer.

Some time since we spoke of the Fire that swept
away the Homestead and Valuables of one of our
Subscribers at or near Oakes (Capt. J. S. Wil-
longby) that Fire destroyed what even Gold could
not replace, the valuable "Souvenirs" collected
by Capt. Willogby during a long life in voyages
round the world but the Fire Policy only spoke of
Dollars yet the "Old Hartford" came promptly
and quickly to the relief of the Insurer as will
be seen by the words of Capt. W. which we take
from a Private Letter which we received on busi-
ness matters as a Subscriber, yet in Justice to the
"Old Hartford" we feel we should give them.

Capt. W. says:
"Had it not been for my insurance in the 'Old
Hartford', I should have been ruined, God Bless
that Company, for their promptness in paying my
losses, to Mr. Flint the Manager and to Mr. Staples
I am most grateful."

THE BEST AXLE GREASE KNOWN.

More than Twenty Years Ago one of our Cali-
fornia Pioneers, and a most excellent Chemist,
J. J. Hooks, Esq., introduced into this market
what is known as the "H & L Axle Grease."
This invention has stood the test of the twenty
years, and is the best lubricator of the kind
known, and in spite of all the spurious and mis-
erable compounds offered in opposition to it, it
holds its high place still.

We notice that Mr. Hooks has recently given the
business to his Son, an energetic and worthy
young man, and a noble son of the good old
oak, to whom we hope a liberal patronage will
be given for our California Axle Grease in prefer-
ence to all others, because it is most worthy, be-
ing the Best.

OCCIDENT, THE CALIFORNIA HORSE.

The Horse, Occident, of which so much has
been said and written has been fairly tamed at the
Park this year, and fair records kept, the follow-
ing we believe are the figures—183, 184, 174, and
in three straight heats in harness, and from all the
evidence given, it was not the best time he could
make either, Occident will win great honors yet,
and do honor to our State as a California Horse.
As a proof of the faith that is felt in him, we
s'p from the American Turfman, of New York, the
following paragraph relative to Occident, and
hope yet to see him do all that is expected of him,
and hope to see him on the track during the State
Fair.

Gov. Stanford of California is willing to match
Occident, in three races, for \$10,000 each, against
any horse, races to be mile and repeat, to wagon;
mile heats, three in five, in harness; and two
miles and repeat, in harness. We should be
pleased to see such a match made over some of
our Eastern tracks and earnestly hope to have
that pleasure.

THE PERFECT HORSE.

We have received from the Publishers of this
forthcoming Work, advanced sheets which give the
assurance of a most valuable Book.

It will contain the views of such men as Rev.
Henry Ward Beecher, Rev. W. H. Murray and
Hon. Geo. B. Loring, it will soon appear from the
press of Messrs. James B. Osgood & Co., of Bos-
ton.

We shall publish Extracts in our next.

LONG BRANCH.

This Famous Resort of New Yorkers, and also
of President Grant, and which is spoken of by
our happy New York Correspondent in his Let-
ters, and to which we refer in this Number and
our last also, will be found interesting.

Harper's Weekly the last two Numbers gives
splendid illustrations of Long Branch, and also
Newport—these illustrations are worth a year's
Subscription.

POLITICAL BLACKGUARDISM.

Europeans, ignorant of American political con-
tests, most long since come to the conviction that
the doctines of this country are directed by a set
of unmitigated scoundrels as the world can pro-
duce. The commencement of a political cam-
paign is the signal for uncorking the vials of per-
sonal slander and unmeasured vilipendation,
which grows stronger and stronger, and filthier
and more vile as the conflict progresses toward
conclusion. There is something in the life of a
most every man which can be assailed with more
or less of condemnation, and it is quite probable
that no one feels more chagrined about than the
man himself, who would gladly recall his error, if
possible. But men should be judged by the
tenor of their daily life and conversation, by their
general rule of conduct and deportment, and not
visited with harsh, scathing criticism for one re-
ventual transgression. It is a false and cap-
surable policy which seeks to prop up a candi-
date by vilifying his opponent. It is that species
of warfare to which the pole-cat resorts, and
although his antagonist may become repulsed
with the odor, for the time being, everybody
knows the nauseous source from whence it ex-
uded, everybody is aware that the foul mag-
nine is just as ready to stream its filth on him
when occasion serves. The thing acquired of
is most always nobler than the thing which
squirts. We are just now, passing through
one of our political campaigns, and sev-
eral features, it is a model of its kind. For crys-
tallized, unadorned personal abuse, for system-
atic blackguardism, for unprincipled mendacity
and concentrated malice it has never had a par-
allel. A decidedly disposed person outside of Cal-
ifornia, reading any of our daily, and some of our
weekly papers, can scarcely avoid concluding
that the people of this State are beyond all recall
on the path of rascality and infamy. How they
can form any other estimate, if they judge us by
the standard our political organs have established
it would be impossible to conceive. If the cus-
toms of earlier times were renewed there would
be some lively shooting on Montgomery Street.
—Commercial Herald and Market Review of 28th ult.

SELECT YOUR FRUITS.

Orchardists and all who wish to grow the
Choicest Kinds of Fruits only, should attend the
Agricultural Fairs, and with a "Memorandum
Book" in hand take note of all the fairest and
best Fruits on Exhibition, and learn of its char-
acter and habits of the grower, its keeping qual-
ties, its carrying qualities, for market uses, espe-
cially those who intend to grow for market.
If all who grow Fruit would adopt this plan
there would be less poor Fruit grown, and less
Fruit that does not pay for the raising.

MISS EDMONIA LEWIS, THE ARTIST.

The Gifted Artist now in our City and Exhib-
ing the Work of her Genius at the "Art Gallery"
has attracted very deserved attention. We give
in our "Home Department" a sketch of her life—
wonderful indeed.

The various Groups of Statuary that have been
exhibited are those of the highest merit, and we
trust will find purchasers for all, they equal of
President Lincoln—a remarkable fine likeness
especially the side view—Oupid Chained or Caught,
Asleep, Awake, and Hiawatha and his Bride—
these are all of superior excellence.

We learn with pleasure that Mrs. C. L. Law
became the fortunate possessor of Hiawatha and
his Bride, and we hope our wealthy Citizens will
secure all the others and thus encourage and justly
reward this highly meritorious Artist.

SEWING MACHINES.

Everybody that sells Sewing Machines, alms
claim to have won the "Gold Medal" at the
Great World's Fair at Vienna.

There is one exception, however, that we wd
name, SAMUEL HILL, Esq., Agent of the "Fis-
sace," says nothing, but he is quietly packing up
his famous Machines to order Extra Day and
Customers keep coming, all pleased and satisfied
with the Fissace, and Mr. Hill thinks this says
better than all the Noise and Hurrah about Vienna.

BARLEY FOR LIVERPOOL.

The first sale of Barley for Shipment to Liver-
pool has just been made of Seventy-five Thousand
Cents, equivalent to 3750 Tons—this is a new
feature in our Grain Market.

MADAME ANNIE BISHOP.

The friends of Madame Bishop will learn with
pleasure that she will soon be with us again, she
has been received with great Honor in British
Columbia is now at Portland Oregon where she
will give a few Concerts, thence here to "Meet her
friends once more."

ADDITIONAL FAIRS.

(See 18th Page.)

OREGON STATE AGRICULTURAL SOCIETY.

Annual Fair at Salem, October 6th to 11th inclusive.

RHODE ISLAND STATE AGRICULTURAL SOCIETY.

Annual Fair at Providence, Sept. 29th to 11th inclusive.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.

Annual Fair at Jackson, October 12th to 15th inclusive.

NORTH CAROLINA STATE AGRICULTURAL SOCIETY.

Annual Fair at Raleigh October 14th to 18th inclusive.

MARYLAND STATE AGRICULTURAL SOCIETY.

Annual Fair at Baltimore, October 28th to 31st inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.

Annual Fair at Richmond, October 28th to 31st inclusive.

PENNSYLVANIA STATE AGRICULTURAL SOCIETY.

Annual Fair at Erie, September 23d to 28th inclusive.

COLORADO STATE AGRICULTURAL SOCIETY.

Annual Fair at Denver, Sept. 30th, to Oct. 30th inclusive.

ST. JOSEPH FIRST INDUSTRIAL EXPOSITION.

Fair at St. Joseph, Missouri, Commencing September
29th, to continue several days

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE

Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Ames Insurance Company, Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company, Chicago, Ill.,	250,000
Direct Insurance Company, Philadelphia, Penn.,	655,000
Kansas Insurance Company, Leavenworth, Kansas,	259,000
National Life Insurance Company, of U. S. A., Washington, D. C.,	1,236,000
New Orleans Mutual Insurance Association, New Orleans, La.,	1,478,000
North Missouri Insurance Company, St. Louis, Mo.,	1,235,000
Penn Insurance Company, Philadelphia, Pa.,	285,000
St. Paul, E. & M. Insurance Company, St. Paul, Minn.,	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,
GENERAL AGENTS.

No. 314 California St., San Francisco, Cal.

"Better than Gold Mines."

PROSPECTUS

SAN JOAQUIN VALLEY
WOOL CROWERS'
Association.Organized Under the Laws of the State of California,
Jul. 29, 1873.

IN ORDER TO PRESENT THE MATTER FAIRLY to the public, to whom the Trustees propose to offer a portion of the stock in this Association, giving all an opportunity to invest in a legitimate enterprise, under experienced and successful management, this is issue.

James Morton, of Merced City, the President of the Company is one of the oldest and most successful sheep raisers in California, widely known as a most honorable and successful gentleman, who has given his money and experience to this enterprise.

John Barker, of Stockton, is one of the old stock-raisers, a man of unimpaired integrity, of great experience, and who now has charge of this Company's sheep and range.

M. L. ABRAMSKY, real estate; J. TYLEE, Jr., Vice President, Pacific Paper Mills, Stockton; T. S. MILTON, Secretary Company.

The Company now owns a range of Twenty Thousand Acres in Stanislaus county, with ample water facilities, and have secured Eighty thousand acres more, with artesian wells, a Fresno and Tulare counties, for a term of years, sufficient to range at least 100,000 sheep.

The Company owns at present

4,500 HEAD OF FINE GRADE SPANISH MEBING SHEEP.

With Houses, Wagons, Horses, Panels, etc.; in fact, everything that pertains to sheep raising. Also,

FORTY HEAD OF FINE SPANISH MEBING BOOKS.

This the Company commences with, and the Trustees have taken stock in the Company for the property, on the same basis that it is offered to the public.

The intention is to give all an opportunity to participate in the immense annual profit accruing from the raising of sheep. The constant care and attention necessary to give a small band of sheep can be more profitably given to a large number—many parties in the State owning as many as 50,000 head—and, with the expense apporportioned to so many, of course the profits are so much greater.

All estimates made by sheep raisers are, that the wool alone will every year more than pay all expenses of every description, leaving the increase every year as clear profit, which are invariably estimated at over

SEVENTY-FIVE PER CENT. YEARLY ON THE INVESTMENT.

The great success of the Santa Cruz Island Company, off the coast of Santa Barbara, who now have property estimated at one million dollars in land and sheep, commencing with a small capital a few years since, is sufficient to demonstrate the future success of this Company.

Our principle is, to invest all the money in sheep received from these of the shares offered, immediately, as fast as received, whereby it commences to earn money at once. There will be no further calls for money in any shape for, if the shares are disposed of, the money is invested in sheep for the benefit of the shareholders. If not disposed of, the same remaining will belong to and remain with the Company, drawing no dividends, from the capital now invested, so that every share will actually earn the same amount, that it would if a person were to enter into sheep-raising as a private enterprise. The present arrangement gives an opportunity to merchants, mechanics, and all who take an interest in sheep-raising, which is acknowledged to be the most profitable, legitimate business in the State.

The immense fortunes can be made by private individuals in sheep alone is another guarantee of success.

All the parties connected with this enterprise are well known, and rely by permission to some of the most reliable parties in the State:

Messrs. CHRISTY & WISE, Wool Merchants, San Francisco
Messrs. H. & W. FISHER, Shipping Merchants, "
GEO. W. KIDD, Esq., President Bank of Stockton.
HON. R. B. LANE, Stockton.
FIRST NATIONAL GOLD BANK, Stockton.
Messrs. WATT & McLELLAN.

The capital stock of the Association is \$20,000 in shares of \$10 each. \$125,000 stock is already taken by the Trustees. The balance of \$125,000 stock, or 12,500 shares, is offered to the public at Five Dollars per share, and all shares now taken are subscribed on the same basis by the Trustees.

JAMES MORTON, President,
W. S. MILTON, Secretary.

Books now open for one week for subscription at the office of the

SAN JOAQUIN VALLEY WOOL CROWERS' ASSOCIATION.
15 Stevenson's Building, 331 Montgomery, San Francisco.
Or M. L. ABRAMSKY, Main street, Stockton.
SAMUEL C. BATES, Esq., Agent of WELLS, FARGO & CO., Merced City.

Standard Dundee GRAIN SACKS.
22x36--Hand-Sewed--Extra Weight.

FOR SALE IN LOTS TO SUIT, BY
ROSS, DEMPSTER & CO.,

3241 108 and 307 California Street.

FREAR STONE
COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural cut stone, fire-proof and enduring

ASHLER, COPING, S EPS,
MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fontaines, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Tiles, French Grey, etc.

Architects and Builders are particularly invited to examine our Stock and Prices before engaging other building material. JAMES GAMBLE, President.
R. WEGENER, Secretary.
Office, 414 California Street.

Office and Works, 3241 V WASHINGTON, General Superintendent.

Valuable Tide Lands.

ONE THOUSAND ACRES of very Valuable Tide MARSH LANDS all well located and can be securely Leased and made ready for cultivation at a very moderate cost.

This land is near to tracts of upland suitable for grazing, and for the building, so as to make a good farm, this also can be purchased at a moderate cost.

The past year fine Grain, both Wheat and Barley was grown upon this land, of which samples can be seen at this Office, this is proof of the value of this land.

Other Crops been raised the past Season. Vegetables of all kinds produce large crops, and even when planted late they produce abundantly.

This tract of land is worthy of special attention of any person who wishes a good bargain as it will be sold very reasonable if applied for soon.

These lands are now being fully appreciated, and are considered as among the best lands of our State, and in a few years will be held at very high figures.

Persons wishing to buy can learn all the particulars and price by addressing S. D. S. at CALIFORNIA FARMER Office.

3241

A FINE HOME
FOR SALE.

A very fine located Farm of 105 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 82, with Kitchen attached, 12 by 15, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Bales of Wheat,
1200 Bbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 8 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bugy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, so the place will be sold quickly.

3241

TO NURSERYMEN,
TREE DEALERS AND PLANTERS.

Our Wholesale Catalogue for Autumn 1873, now ready, and sent FREE to all applicants.

Aug. 18, 1873. ELLWANGER & BARRY,
3241

FISH BROS. & HUGGINS
"PACIFIC WAGONS,"FARM, THIMBLE SKINN, IRON AXLE FARM, AND SPRING WAGONS,
QUARTZ, AND
HEADER WAGONS.

69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

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AGRICULTURAL
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The undersigned take pleasure in calling attention of the Farmers and Cultivators of the Soil in all departments of Agriculture in the "Great Sacramento Valley," and the region around it to the Large Stock of

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It will be the aim of the undersigned to offer the Largest and Best Stock of Harvest Implements and other Goods shown in this section of the State, and to offer no implements but the Best, and endeavor to give satisfaction to every Customer and Patron of our House.

We offer the following:

EXCELSIOR MOWER

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MOWER AND REAPER COMBINED,

IRON FRAMES!

SIX HUNDRED SOLD IN THIS STATE DURING

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It also took the First Premium in this State at the State Fair of 1871.

This truly celebrated Iron Frame Machine stands as far ahead of all others (the BUCKEYE included) as science, skill and careful study can reach with improvements. Farmers in every section of this State give the preference to THE EXCELSIOR over all other machines on account of Cheapness, LIGHTNESS OF DRAFT, being better adapted to California work, and from its simplicity does not get out of order.

The Hay and Grain Harvest will open early this year. Examine carefully and purchase wisely.

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Genuine Hakes Header, Improved for 1873.

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This Plow has become justly celebrated over the whole United States as one of the Best Plows known, also The Gel's Plow (Smith's Patent).

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We invite special attention to the Immense Stock of Implements we are now opening, as we mean to suit all our Customers for all their implements.

EXTRA--Always a full supply on hand cheap, but lower needed for the Excelsior than any other machine.

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Marsh Harvester and Reaper

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COMPLETE,

For Sale Cheap.

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PLANTS & BULBOUS ROOTS

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Standard and Dwarf Fruit Trees,
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The Fourth Number of VICK'S FLORAL GUIDE

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First number for 1874 will be ready to mail Nov. 1st. It will contain 440 pages, 300 illustrations, and a beautiful colored plate. Address.

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Probably no peach ever before claimed the attention

of the public which was possessed of so unusual a

promise of combined excellence and earliness as this.

It ripens three weeks in advance of Hale's Early.

The Prairie Farmer, in issue of Aug. 3d, 1873, describes it as "possessing the good qualities that all fine peaches should have viz.: Large size, attractive to the sight, pleasant to the smell, and agreeable to the taste."

"Chas. Downing says: 'It is very handsome, the flavor rich and good, flesh thick and firm, will carry well long distance to market'."

The editor of The Fruit Recorder says: "We believe it one of the greatest acquisitions in the peach line, ever introduced."

Wm. H. Prestallo, of Bloomington, Ill., Fruit and Flower Artist, says "that he is satisfied it is one of the earliest and best of peaches," and that "there is not one who speaks of this magnificent peach that does it full justice as to its beauty of color. It is of a deep maroon shade, covered with the richest tint of crimson and BEAUTIFULLY DARK STRIPED--something very singular in a peach--changing towards the light side to a rich orange color."

Owing to the extreme severity of the past winter our stock of trees is quite limited. These we offer, carefully packed and delivered at express office here, as follows: 1st class trees, one year from bud, (with branches cut back,) at \$5 each.

Dormant buds, i. e., budded stocks, six for \$5, or fifteen buds by mail for \$5. No orders taken for less amount than \$5. Remit by Post Office order or draft.

We also have a good assortment of other nursery stock. Send for catalogue. Address,

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800 BALES NO. 1 STANDARD DOUBLE

Sewed Calcutta Gunny Bags, 250 each.

100 Bales Imitation Gunny Bags, suitable for Onions and Sweet Potatoes.

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300 Bales of Hand Sewed Wheat Bags, 1600 each, 24x36 and 24x48.

1200 Bales of Returned Wheat Bags, from Liverpool, nearly as good as new, 250 each.

---ALSO---

400 Bales of Harbour Bros. Celebrated Twine, 2, 4, 5, 6, 7, and 8-Ply.

For Sale in Bond or Duty Paid, by

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Sewing Machine,

The New Florence

Sewing Machine

Will run the work to left of operator

Will run the work to right of operator

Will run the work in the operator

Will run the work from the operator

All done by a turn of the wrist.

SAMUEL HULL, Agent,

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Cash Assets,

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STATE FAIR.

FOR 1873, AT SACRAMENTO.

Commencing on MONDAY, the 15th, and closing on SATURDAY, the 29th of September.

\$10,000 to be distributed in Cash Premiums. Exhibition to be divided into seven departments, and the Society's Gold Medal to be awarded to the most meritorious exhibition in each department.

The largest Stock Show ever had on the Pacific Coast.

The most attractive Speed Programme ever offered in the Union.

The Second Annual Exhibition of the California Vine Growers' Association to be held at the same time and place.

A Grand Flowering Match to come off on the grounds.

A Grand Regatta on the river, in which the different Rowing Clubs of the State will participate.

A public sale of Thoroughbred Stock at the Park each day of the Fair.

Home Miscellany.



THE SEA-SHELL.

"And love will play a summer's day!"
A long wave rippled up the strand;
She dashed a white head through the spray,
And plucked a sea-shell from the sand.
And, softly: "Let thy heart have peace.
Mine's all set free to sing to thee,
Of the little shells that dwell on the sea."
To sing to thee—the sea.

Ab, well! sweet summer's past and gone,
And love, perhaps, is not so white;
And so the happy days are flown
On careless wings together I
And yet I smile: the pearls are gone,
Rose-tinted shells are gone to sea,
With foolish, faithful lips to tell
Still singing of the sea!

—By THE CALIFORNIA FARMER.

MINGLED FEELINGS.

We know not, on an April day,
How soon the bloom may yield to showers;
The Hawthorn wings of closing May,
Still hides the flying plume of flowers.

We know not, in a smiling eye,
How soon the shining tear may tremble;
The heart where joy may seem to lie,
Hides oft most sorrows to dissemble.

We know not, in a smiling eye,
How soon the shining tear may tremble;
The heart where joy may seem to lie,
Hides oft most sorrows to dissemble.

The pleasure of the human breast
Can never, quite, from pain be freed;
And that remembrance is the best
Which the heart of man can need.
Down the broad vista life has passed
When we were young and full of gladness;
She ever finds some shadow cast
To cloud the sun's complete gladness.

But, like a picture long laid by,
From which the sun's beam have faded,
Few spots of color left to die,
And most are only softly shaded.

—From Overland Monthly for September.

KNOW THYSELF.

I did not know what kind of bird I was,
And when, awhile, into the gliding world
I was permitted to look for my mate,
I had not learned how many birds there are.
What various kind, how different each from each,
Nor if, differing much, were like to each other.
I did not know that I was placed without
To win some careless wanderer of the skies—
Some bird, that, waiting what it did not know,
Would come into my little cage with me,
When the spring world that watches the birds,
Would call and shout the wakened up, and say,
"Ah, here is caught another pair at last!"

Indeed, I did not know what I was—
I had not seen a mirror, to whose face
I could perceive the vision of my self.
I was not who I am, and had not learned
To turn my eyes within and learn myself.

What brought them to me—my doll, my bird,
That never sang, but only could look wise?
Why, one by one, and more, and day by day,
Did they come to my cage and shy look,
And girlish, sing a note, then fly away?
I was so dull I could not sing a note;
I could not read their play, nor know their song;
Nor know what trembling music longed to burst,
And tell the lovely truth, I could not sing;
I did not answer, for I was so dull.

One day another came and rested near,
And twittered, chirped out, and hopped with glee.
Somehow the world looked not that I was pleased,
And came with hands, and a head the wick-up.

The bird, my mate, was very bright and fair,
Sweet-toned, and chirping as clear as all the day,
With plumage beautiful. And then I thought
That very fair and beautiful I must be;
I must be like my mate, or be had to her
Come to comfort and take her lot with me.
And daily sang the sweetest songs to me,
And every day I watched the beauty rare,
And a little time I thought my life like her.

But some one looked at me at one day,
And said: "You are a bird, and not a girl."
And so I said, my mate was gone and I was left,
But beautiful and good was I, the bird.
And men looked long at my mate,
And scarcely turned their eyes to look on me.

I was so dull I did not understand,
And so I said, with widely wondering eyes,
"Am I not fair and passing sweet as thou?"

Didst ever see a bird with twinkling eye,
And slender neck, and long and lengthy bill,
Till the whole space was full with laughing trills,
And all the air was tremulous with sound?
So did my mate, for of a bird's sweet place,
And I so dull, knew not why he laughed,
And when he ceased, did the bird fly off,
My mate, did you not know you were alone?
"Waste no time," I said: "He has flown."
And said, and all to learn to laugh my heart,
"A bird that is so pretty, he looks just like
And all the world but mine is no use."

My sweet mate still dwelt in my cage,
And daily sang me a song as sweet as mine.
I could not sing, but I could look wise,
That, if I could not sing, I could be wise.
And every day I turned the bird's head,
And did not know if it were a bird or not.
That it may be that it was a bird or not,
But beautiful and good was all the world.

—From Overland Monthly for December.

Home Correspondence.

THE PEN, THE WAND FOR FREE THOUGHT.

BY CLARA A. HATHORN.

NUMBER TWO.

It is not often that I hesitate with my pen when writing to my friends, but I am wondering now what "Overland Correspondent" ought to write about—I find the "Panama" filled with weighty matters of Science and Business—the Californians will not care to have the stranger come and tell them of their own "Sunny Land" with which they are already so familiar.

But Mr. Editor you know that a lady likes to talk, and be demonstrative over what she likes even if it is not important and business like, and I believe that "Clara Hathorn" may write about anything she pleases, and after her own fashion—now that I have come to that conclusion I will hesitate no longer—I will hold in my fingers my pen.

I have just returned from a walkable bright beautiful morning, the air was so pure and invigorating that I could not help contrasting this city with my Eastern home—there the streets are comparatively deserted—a good part of the population in the country are at the seaside, and those who remain trying to keep quiet and cool—while here all is life and activity, the business streets crowded—men standing in groups waiting eagerly to catch the first news about stocks, some discussing politics, elections, etc., looking wise, angry, or doubtful, but all appearing to be very much interested.

There seems to have been a compromise here between "Summer's heat and Winter's cold," for neither extreme is to be found. It is refreshing to look at these markets and see such an abundance of fruit, vegetables, and beautiful flowers—everything appearing so fresh and well kept—surely California must be the "Eden" of the world.

There is little of the historical part connected with this country to interest the visitor, but it needs no prophetic eye to see that, in the future, it will be a great city, and a great city it is now. I think some of our early gold diggers must have found "Aladdin's Lamp" in these regions.

Though there are no ancient ruins of art found here, yet there are grand and wonderful designs of nature, standing as if and perfect to-day as when first formed by the hand of their Great Creator. I went to Alameda a few days since to visit a friend who has a fine residence there. From the observatory the view was surpassingly picturesque, mountains, valleys, bays, cities and villages, were spread out around like a vision in some enchanted dream—I find so many places of interest surrounding San Francisco that I look around with wonder and admiration. Here is found that marvelous "Golden Gate."

Unfolding to empire its way,
Wide opened by gold and by fate,
Sunny by day and by night,
Here stands the Conquest Gate.

My friends tell me that any one who knows that I am from the East, see me go up and down these hills so awkwardly or promenade the streets taking no notice of the elegantly dressed ladies and fine looking men but showing such a demonstrative interest when the Celestials come along—I do most earnestly hope that those who have been the civilizing and Christianizing of these "Heathen Chinas" will not forget to cultivate the conscience as well as the intellect, so that when they are able to discern between good and evil, they will have the principle to do that which they know to be right.

I visited the theatre and was very much pleased, the sounds were so clear and ringing that not a word was indistinct throughout the building, although the house was crowded. There must be something in the peculiar atmosphere of this climate which is a great help to the vocalist.

Miss Bella Pateman played "New Madelon." The interest was intense—many were weeping—I did most gladly wish that "Society" would for a short time postpone some of her organized meetings for the reformation of our sex, and come with the midst of prejudice cleared from her eyes, and witness this drama—she might learn some of her responsibilities in regard to her reasonable influence and sympathy in order to present the evils she now tries to reform.

Everything has been said, sung and written up on "Woman's Rights," and "Wings" of every description, but there is a good deal more for originality of action upon that subject.

WHAT AND PHYSICAL VIGOR.

Nothing is more acute in the chemistry of life than that the great breadeaters are the great thinkers, or the phosphorus which wheat contains, in the outer kernel, immediately beneath the back, is the feeder of brains, and the material substance which protects the thought, study, reason, and all the forms of nervous energy.

There are physiologists who attribute the remarkable success of States like Ohio, Indiana and Illinois to the bounty and perfection of the wheat crop, and the intellectual stimulus, or rather food, which it affords the brain.

Certainly no commonwealth in the world has enjoyed a higher sense of law and order, or more rapidly developed a social system which has hardly an equal in the world. The constitution of Indiana, for instance, the very center of the wheat zone, is beyond comparison the best in the Union produces the biggest results in our civilization. There is a southern wheat belt, which includes Australia in part of South America, where a civilization equal to that of the central North of the United States is growing up.

But the full value of wheat as a civilizer will never be fully realized until wheat-meal takes the place of bolted flour, and the people learn to make bread without yeast or saleratus. Good bread is emphatically the "staff of life," but the commercial article is the way to dyspepsia, and premature death.—Science of Health.

NOT ENOUGH ALONE.

Every one needs the repose and opportunity for quiet thought and the formation of unbiased opinion which solitude affords. Many people are scarcely asleep an hour of their lives. The very idea of the thing would fill them with dread.

There are men who run all over the neighborhood to find somebody who will be company for their wives while they go to a lodge, a town meeting, or—well, anybody but themselves know where. Their wives cannot stay alone. If the wife were left all alone in a house, that would be quite another matter; but the idea that a book, the piano, drawing, a painting, some kind of needlework, or household duty, cannot occupy a woman's hands and hold the reins of her thoughts for two or three hours in the evening, is perfectly pitiful. What will she do when old age drops her into an arm-chair in the corner?

Then she must either entertain herself or whine away many a lonely hour; for limbs stiffened with age cannot keep pace with youthful enjoyments and occupations. The distaste for solitude and habit of constantly seeking company, causes much of the addle-headed twaddle that takes the place of sensible conversation in this world.

People have no chance to improve when they are constantly in company. Each person exerts an influence on those around, and all individuality rubbed down to a cipher, which represents the whole group. Solitude is an absolute necessity to the improvement of the mind, and it is a life-preserver to those who daily labor with the brain amid anxieties and excitement. Without it, a man in those paralytic breaks down before the noon-day of life is reached. Truly, there is efficiency in closet prayer. The quiet of the bed-chamber, after the fatigues of the day are over, is not enough. Thought and reflection are robbers of health if they intrude upon the hours which belong to sleep.

A little time in the middle of the day, if only half an hour, for throwing off the harness of work and business, closing the eyes, and reposing the mind and body, is better than a whole apothecary shop for preserving the health.

The dread of being alone, from year to year grows upon those who have never enjoyed its luxuries and benefits. Their mental resources become so small that they find themselves too poor company to tolerate.

Of course there is such a thing as having too much solitude, wherein the mind becomes morbid but the greater danger is of being too much in company.

There is another reason why some people avoid solitude; and that is because they fear to come face to face with conscience, when they must listen to its upbraidings.

THE HABIT OF READING.

"I have no time to read," is the common complaint, and especially of women, whose occupations are such as to prevent continuous book perusal. They seem to think, because they do not devote as much attention to books as they are compelled to devote to other avocations, that they cannot read anything. But this is a great mistake. It isn't the books we finish at a sitting which always do us the most good. Those we devour in the odd moments, half a dozen pages at a time often give us the most satisfaction, and are more thoroughly digested than those we make a particular effort to read. The men who have made their mark in the world have generally been the men who have in boyhood formed the habit of reading at every available moment, whether for five minutes or five hours.

It is the habit of reading rather than the time at our commands that helps us on the road to learning. Many of the most cultivated persons whose names have been famous as students, have only two or three hours a day to their books. If we make use of spare minutes in the midst of our work, and read a little, if but a page or a paragraph, we shall find our brains quickened and our toll lightened by just so much satisfaction as the book gives us. Nothing helps along the monotonous daily round so much as fresh and striking thoughts, to be considered while our hands are busy. A new idea from a new volume is like oil which reduces the friction of the machinery of life. But we remember from brief glimpses in books often serves as a stimulus to action, and becomes one of the most precious deposits in the treasury of our recollection. All knowledge is made up of small parts, which would seem insignificant to themselves, but which, taken together, are valuable weapons for the mind and substantial armor for the soul. "Read anything continuously," says Mr. Johnson "and you will be learned." The odd minutes which we are inclined to waste, if we fully avail of for instruction, will, in the long run, make golden hours and golden days, that we shall be ever thankful for.—Scribner's.

THE COLOUR, FOOD, AND THE BRAIN.

There is no country where there is so much dyspepsia as in America, because our people pay so little attention to food, and eat too much meat for the exercise they take. If one has meat, in fact, every second day, is requisite. Soap acts all the glands at work, and prepares the stomach for the more important functions of digestion, and therefore should be taken at dinner every day. Beef broth is to the old, what milk is to the young. Cookery, properly attended, keeps a man in health. If the stomach is out of order, the brain is affected. We should eat more fruit, vegetable soup, and fish. Good and well-prepared food beautifies the mind. Wrinkles are produced by want of variety of food. The man who does not use his brain to select and prepare his food is not always the brute, which take it in the raw state.—Health and Home.

Best also for a man—Exercise.
The Way of the World—Religion on the tongue and self in the heart is the way of the world.

BABY THOUGHTS.

BY LUCY INGLES.

I guess the sunset is God's paint-box;
Don't you, mamma dear?
I wish he'd let me see him paint
The brooks so silver clear.

I would love to see him color
The beautiful blue skies;
I think the sunset was just the blue
He put into your eyes.

I guess the brushes he must use
Are the little gold sunbeams,
And when they're falling from his hand
We catch their quivering gleams.

O dear I just think how many paints
God has with colors bright;
There's red, and blue, and scarlet,
And purple, and pure white.

And pink, and pink, and violet
But I cannot name them all;
And how bright he paints the flowers
With his golden brushes small.

Guess the birds we see, mamma,
Are flowers with shining wings,
They whirl in circles through the air,
Like blue and scarlet rings.

And every spring I guess, mamma,
God sends his angels round
To scatter through the earth and air
His blossoms o'er the ground.

I am almost sure the little stars
That glimmer through the night
Are the stars the angels play with,
The baby angels bright.

I guess God makes the hot sun,
And dips them in the sun,
Then drops them through the meadows
When the night is come on.

I guess, I guess I'm sleepy;
Please ask the angels white,
To pray for me to Heaven,
For I am tired out to-day.

The sunny curls are drooping,
The baby's day is done;
Her head she rests on my arm,
Lying a second's sleep on.

HOW EDMONIA LEWIS BECAME AN ARTIST.

Edmonia Lewis was born in a wigwam, her mother being an Indian, and her father a negro. When little Edmonia was only three years old her mother died, leaving her to the care of her Indian relatives; and at the grave of her dear mother she kissed her father good-by, and has never seen him since. Her father died a year from the time of his wife's death. Thus in one day she buried both father and mother from her sight. With the Indians she had a happy life—which was indeed a wild, roving one—hunting, fishing, and making moccasins. Her brother, who was at a school for Indian boys at the time of his mother's death, soon finished his studies and went to California, where he was able in a few years to send money to his little orphan sister, that she might be sent to school. Money was sent clothing bought, and the Indian girl dressed up in a civilized dress. How many times she wished for the Indian costume, as she felt so strange in her new dress! How many times she fell down, wept, and sometimes up, too! But she must bid farewell to her Chippewa dress. As soon as all was ready, Edmonia bade good-by to her Indian relatives, each one of whom asked the blessing of the Great Spirit upon the orphan girl, and thus "Wild Fire" left her Indian home!

At school everything seemed strange and new to her; but Edmonia soon made friends, some of whom are proud of her to-day. Little they thought that their little friend, who was running about at play with them, would become an artist, and do so well, too. A few years were spent at school; from there she went to Boston, Mass., wishing to study music; but one day, as she was walking through School street, her eye caught sight of the statue of Benjamin Franklin. This was the first time in her life that she had ever seen anything in the line of sculpture. She said to herself: "Oh, how I should like to make something like that man standing there!" She asked questions, and found out that statues were first made out of clay. She got some clay from a very kind sculptor, and then she made some sticks and went to work on a little foot. How many times she took the foot to the sculptor to see if that he might tell her what he thought of it; how many times she was obliged to do it over again; but finally she was successful in making it look like a foot. Next thing was a lady's hand that she made a study from. After this she made a bust of Voltaire; this being finished, Edmonia received a commission to do a medallion for which she received twenty dollars. This was the first money that Miss Lewis had ever earned for herself. Dear reader, how you would have laughed if you had seen the young artist early the next morning. She might have been seen standing at the door of the bank, ready to deposit her twenty dollars.

Three years from the time that she made the little foot, she had received orders enough to enable her to go to Italy. Miss Lewis packed her trunk, bidding her dear friends good-by, and sailed for Italy on the twenty-sixth of August, 1865. In Florence she saw Mr. Powers and Mr. Bart, who were very kind to her. Miss Lewis remained in Florence six months, and then went to Rome. In Rome she opened a studio, and there began to study from life—drawing part of the day, and the remainder the world model. During these few years all know how well the Indian girl has done. Her beautiful statue of Hagar is the result of patience, of hope, of a thousand delicate touchings and retouchings. God's gift to Edmonia Lewis is unacquirable energy, as well as genius; and these two combined enable her to rise above all prejudices of race or color, and command the respect and honor of all true lovers of art.

"Wild Fire" was Miss Lewis' Indian name.



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38.10

Miscellany.

THE SOFTIC AND THE BIRD'S NEST.

A young man, who had more money than good counsel left him by his parents, became a scap. Having afterwards become a "bellever," a friend asked what had wrought the change.

Said he, "You know I spent much of my time in hunting; and a few weeks since, on a beautiful Sabbath morning, I went in search of game. Being weary of roaming about the woods, I sat down on a log to rest. While thus seated, my attention was attracted to a neighboring tree, by the cries of a bird which was fluttering over her nest, uttering shrieks of anguish as if a viper were destroying her young.

On looking about I soon found the object of her dread in that apt emblem of all evil, a venomous snake, dragging his length along to ward the tree, his eye intent on the bird and her nest. Presently I saw the male bird coming from a distance with a little twig covered with leaves to his mouth. Instantly the male bird laid the twig over his mate and her young, and then perched himself on one of the topmost branches of the tree, awaiting the arrival of the enemy.

"By this time the snake had reached the spot. Coiling himself around the trunk, he ascended the tree; at length, gliding along the branch, till he came near the nest, he lifted his head as if to take his victim by surprise. He looked at the nest, then suddenly drew back his head as if he had been shot, and hurriedly made his way down the tree.

"I had the curiosity to see what had turned him from his malicious purpose; and on ascending the tree, I found the twig to have been broken from a poisonous bush which that snake was never known to approach.

"Instantly the thought rushed across my mind, 'Who taught this bird its only weapon of defence in this hour of peril?' And quick as thought came the answer, 'None but God Almighty, whose very existence I have denied.'

God sends them to the end to learn industry, to the ravens and the lilies for lessons of trust; and here, in the protection of a defenseless bird's nest from a cruel foe, shines out the same kind of Providence which watches the falling sparrow, and numbers the hairs of our heads.—*British Workman.*

WHY THE RED SEA IS CALLED RED.

A quail on that has puzzled scholars found a solution some time since in the observation of an American submarine diver. Smith's Bible Dictionary discusses briefly the name of the Red Sea. The Dictionary assumes that the name was derived from the red western mountains, red coral reefs, etc., and appears to give little weight to the real and natural reason which came under our American's notice. On one occasion the diver observed, while under sea, that the corals waving shadows, which cross the lustrous, golden floor like Franconia's lace on the spectrum, began to change and lose themselves. A purple glow of intermingled colors darkened the violet curtains of the sea chambers, reddening all glints and tinges with an angry fire. Instead of that lustrous, golden shimmer, the thalassosphere darkened to crimson and opal. The walls grew purple, the floor as red as blood; the deep itself was purpled with the venous hue of deoxidized life currents. The view on the surface was even more magnificent. The sea at first assumed the light tawny or yellowish red of sherry wine. Then this wine-color grew tinted with a richer radiance; as far as eye could see, and flashing in the crystalline splendor of the Arabian sun was a glorious sea of rose. The dusky red sandstone hills, with a border of white sand and green and flowered foliage, like an elaborately wrought cup of Bohemian glass encased with brilliant jewels, held the sparkling liquid petals of that rosy sea. The surface, on examination, proved to be covered with a thin brilliant layer of infusoria slightly tinged with orange. Placed in a white glass bottle, this changed into a deep violet but the wide surface of the external sea was of that magnificent and brilliant rose color. It was a new and pleasing example of the lustrous, ever-varying beauty of the ocean world. It was caused by diatoms, minute algae, which under the microscope revealed delicate threads gathered in tiny bundles, and containing rings like blood-disks, of that curious coloring matter in tiny dots.—*Lippincott's Magazine.*

FECUNDITY OF FISHES.

It is said that probably about 60,000,000 or 70,000,000 codfish are taken from the sea annually around the shores of Newfoundland. But even that quantity seems small when we consider that the cod yields something like 350,000 eggs each season, and that even 8,000,000 have been found in the roe of a single cod. Other fish, though not ranking the cod, are wonderfully prolific. A herring six or seven ounces in weight is provided with about 30,000 eggs. After making all reasonable allowances for the destruction of eggs and of the young, it has been calculated that in three years a single pair of herrings would produce 154,000,000. Buffon said that if a pair of herrings were left to breed and multiply undisturbed for a period of twenty years they would yield a fish bulk equal to the globe on which we live. The cod far surpasses the herring in fecundity. Were it not that vast numbers of eggs are destroyed, fish would multiply as to fill the water completely.—*Scientific American.*

SLANDERS.

Look on slanders as direct enemies to civil society; as persons without honor, honesty, or humanity. Whoever entertains you with the facts of others, designs to serve you in a same manner.

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Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter of unparalleled interest to the great interests of our State, which cannot be found in any other work on this Coast.

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FOR DAIRY STOCK, FOR SHEEP AND PASTURAGE GENERALLY.

No grass has yielded so large nor so remunerative crops, and no crop will pay better.

The amount of Alfalfa Seed sold the last year exceeded 200,000 pounds, and the supply was not equal to the demand.

The call for Alfalfa this year will undoubtedly far exceed the last, and it would be wise for those who intend purchasing to buy early, as by such means they can secure their Seed, and on better terms than late in the year when the demand is pressing.

The undersigned have received their Seed early this year so as to provide for their Patrons early, and on the most favorable terms.

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New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

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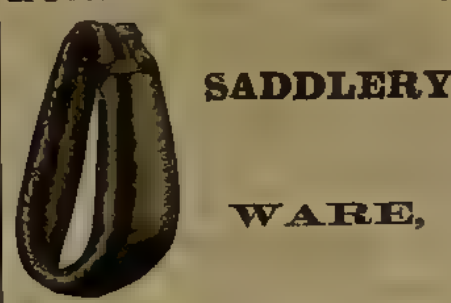
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We are prepared to supply the trade, with any goods in our line at the very lowest prices for Cash or approved credit.

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The season of Harvesting is now the Farmer's great labor and it is to be made to make it easier, or less expensive will be hailed with gladness by those who toil so earnestly and so hard as the Farmers of our State.

We now call the attention of the Grain Harvesters of our State to the New and Improved

Header and Harvester,

Manufactured by us, and which was so highly approved last year, and to which we have added several new improvements this year, so that we can claim for it the name of being one of the Best Headers and Harvesters ever put into the fields.

New as it was last year a goodly number was sold which won for it great popularity, and with the new improvements now added we know it will give the highest satisfaction.

We ask the Grain Growers everywhere who desire secure the most

ECONOMICAL AND EXPEDITIOUS MACHINE

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FORTIETH VOLUME

OF THE

FARMER.

Our FORTIETH VOLUME of the FARMER will commence in a few weeks, and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of the present Volume, and the following year also. We trust we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture.

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THURSDAY EVENING..... AUG. 26, 1873.

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The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file. The tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion. Twenty cents a line for any larger space. Each subsequent insertion half the first. This is believed to afford the cheapest and best medium of reaching the Agricultural community on this coast. Advertisers for the right is reserved to reject any advertisement deemed objectionable.

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Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

W. S. M. PETERGILL & Co., 10 State Street, Boston, N. Y., New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall call their attention to such articles in each issue of our journal, to which we would direct their special attention.

Home Knowledge.—Our readers will find on our Home Page much that will instruct, from the Post's Corner, through every column, from Music to Medicine, with sports for the young, with good *Faithful Advice*—much needed now—a day—John Jackson's Sermon, on 183d page, contains a volume of counsel.

Agriculture and Horticulture, with Fish Culture, each have Chapters of value.

Our European Letter.—This shows how the Government interests itself in all that appertains to the people, and even with its mistakes, it is doing great things for Agriculture and Mechanic Art.

We have our New York Letter by M. A. Searles, Esq., for our next.

Also, another Letter from "Grace Atherton" for our next.

COMPLIMENTARY—AGRICULTURE.

We have received from the Board of Agriculture of the State Society, a Complimentary Invitation to the State Fair near at hand for which we return due acknowledgment.

We acknowledge a Complimentary Invitation from the Board of Managers of the Maps and Soils Society of Agriculture for their coming Annual Fair at Vallejo, for which we return due thanks.

BILLIARD TOURNAMENT.

We return thanks to Messrs. Jacob Struble & Co. for a Courteous Card to the "Billiard Fete" of the present week.

A BEAUTIFUL SONG.

We have received a very beautiful Song, one of a plaintive character, yet none the less beautiful, entitled "When the Light Fades from my Eyes."

This Song is dedicated to Dr. E. B. Marcy; words by Geo. Cooper, Esq., the Music by Harrison Milford, Esq.

OUR NEW YORK AGENT.

It will be seen by the Card we place at the Head of our Columns that Messrs. S. M. PETERGILL & Co. will act as our Agent for New York, Boston and Philadelphia, to whom we refer all who want to Advertise in THE FARMER.

FARMERS' GRANGES

These Institutions are now forming in every section of our State, and banding our Farmers together in the bonds of good Brotherhood and Sisters also, are working nobly for the cause.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of all the Routes of the CENTRAL PACIFIC, WESTERN and SOUTHERN PACIFIC RAILROADS, with Time Tables complete, together with Steamboats and their Time Tables, all corrected and complete, for reference, and for all travelers.

STORMS ABOARD EVERYWHERE.

The fearful storms reported from all sections of our own Country and also from all parts of the world should lead us here on the Pacific Coast, to ask ourselves, *shall we escape?* Are we so good as to be specially spared? Our stormy season is yet to come!

WHAT OF THE HARVEST?

The recent large advance in the price of Wheat, and of all Grains has given an animation to the trade in Bread Stuffs of all kinds, and our Wheat now comes pouring into this City, to Vallejo, and Oakland with a rush, the quantity is very large and although some of our Journals, and some Shippers, and those who are so much interested in Grain may say that the greater portion of the crop has now come forward, we are sure there is a considerable amount still back, as the saying is "A few more left of the same sort," for if the statement could be established that the Grain was all in, or nearly so, which is the "Cote" of Speculators to advance the price, then they would sell quickly and down goes Grain again. Our "Farmers" we think are growing wise and they know how to act better than in former years.

We are inclined to the opinion that on the first Sept. there will be over Two Hundred Thousand Tons yet to come forward—time will tell.

Our Fruit Crop promises a much larger amount than usual, but much of it poor and worthless—we hope better things in years to come.

The Grape Crop is only moderate, and the Wine harvest quite small as compared with former years.

The Wool Clip and other products are noted fully in our Market Columns.

MILDEW UPON THE ROSES.

The present summer has shown a greater blight upon the Roses of our State than ever before noticed, at Oakland, among the Florists in this City, at the Mission, at San Jose, and in fact in nearly all the private gardens of our Wealthy Citizens this blight by mildew has been most severe.

In all our observations of years we have no record of so great a scourge, and the operation of this mildew has been very singular.

In some places the first growth past without blight, and the second growth entirely ruined, in other cases the first growth was ruined and the second passed unscathed, in some places it would take 6, 8, 10 or 12 roses in a row, then skip a few and take hold again. Ordinary remedies failed to check this mildew. Sulphur or severe syringing with cold water had no effect, we have learned of the application of acids, but unless weak, or applied with the utmost care, the remedy is worse than the disease.

We hope our Florists and our Amateur Growers of this "Queen of Flowers" will report to us all they know of any successful check to this evil.

Our remedy for our own garden is heading down, and starting a new growth with a removal of the soil around the Roses, and the application of ashes first—then a good mulching of old manure, and a severe showering with the Garden Hose.

This mildew has not affected our native Castilian Rose at all, and a few of our Perpetual Roses have escaped. We should like to hear from our Florists and all others upon this evil.

OUR BEST SUGAR MANUFACTURERS

We are glad to learn from the authorities of these our Best Sugar Manufacturers that the prospect is most excellent for the present year's work. The California Best Sugar Company at Alvarado have already begun their work, they have 600 to 700 acres of Sugar Beets to work from which give promise of good results by their excellent condition at this time.

This Company made 1,100,000 lbs. superior Sugar last year, which sold readily as fast as it could be made at good prices. We learn from Pres. Hutchinson that the Company anticipate making One Million and a half pounds this year.

The Sacramento Best Sugar Company commenced their work August 5th, with very good prospects a profitable year. This Company preserved their crop of beets from the Army Worms by a large Drive of Tackles and now have their beets in good producing order, from the trials already made the beets yield from 9 to 15 per cent. a better yield than former years.

This Company anticipate a very prosperous result from their labors the present year.

THE WORK OF THE PLOWMAN.

Plow deep while sluggards sleep.
You shall have Grain to sell and to keep.

Every farmer should read the lessons so constantly coming to him from all sources, that deep plowing, deep cultivation of all kinds, is the certain security against the evils of a Dry Season, and a certainty of greater success with crops of all kinds from every section of country, and from all wise cultivators; We are now receiving positive evidence that our last years crops of all kinds resisted the drought wherever the soil was deeply and well cultivated.

Early plowing, deep plowing, thorough and repeated plowing, and wherever possible before the rains come is the best, so that the earth shall receive all the benefit of the rain fall.

RECEPTION OF FRUIT.

We have received from our kind Friends, Proprietors of Smith's Gardens at Sacramento, a large Box of delicious Peas (The Bartlett) for which we return our grateful acknowledgements, they were not of the ordinary small kinds, too often sent to our city, but the large full grown pounds and over, like the generous hearts of the givers.

The Smith Brothers show by the large quantity of delicious Fruit they grow, and the car loads of these fine Bartlett they ship over the "Railroad" East, that the Scriptures are true, for although these Pioneer's of Fruit Growing in Sacramento, have experienced heavy disasters by Floods as well as by Fires, the Promise of the Sacred Volume holds good to them, "The Fire shall not consume thee, nor the Floods Drown thee," and the Brothers Smith, are noble Specimens of our persevering Pioneer's—may their coming years all be prosperous.

THE HORTICULTURAL FAIR.

It has been announced that the Bay District Horticultural Society propose holding another Fair this year, and to come off immediately after the State Fair.

It is well known that this Society made quite a loss in their Spring Fair by reason of a want of public interest and the unwillingness of the Horticulturists in other places near to our City taking so interest in this Exhibition, this was most unfortunate for a want of success in such an Exhibition, works against the "Public Good," a failure in such an Enterprise hurts the cause.

We will now suggest a remedy for the future at such Fairs—make this Society a State Horticultural Society, and call in all our leading Orchardists and Florists, make it for their interest to become Members, and try and make the CALIFORNIA STATE HORTICULTURAL SOCIETY worthy our State.

The "Massachusetts Horticultural Society" began its career Twenty-five years ago, with but a few Members and without a dollar and no State aid, now its Members count by hundreds, among the Peers of New England, and that Society owns one of the most splendid Exhibitions Halls in our Country, and has a Property of over A QUARTER of a Million of Dollars.

We wish the Society of our City would awake to its true interest and invoke to earnest Co-operation all the Horticulturists of our State, so that California may show to the world what this State can do for Horticulture.

A RAINY SEASON.

The moving of the Wild Geese South, the thickening flocks of the Rabbit and other animals, the falling leaves, the boarding of nuts and acorns by the Squirrels, these and other various signs are often as evidences of approaching winter in other sections of our Union, but here with us, we are more interested about the "Rainy Season" and of this too, there are many indications of its near approach we think, clear evidences that our Rainy Season will come to us much earlier than we have known it for years, and perhaps ever before.

The recent heavy rains in many places in our State in this month, and particularly the very heavy rains down South, such as were never known before, should at least put our Farmers thinking for with all their work, and all their hurry, some of them are always "Ought Napping."

We are confident from our own observation for years, that before our Fairs are over we shall have such a sprinkling as will at least moisten to a considerable degree, all the Grain that shall be left exposed to it.

We would urge upon all who design plowing and planting on dry soil, that the sooner they get their work done the better, that Grain that catches the "Early Rains" will bring in the earliest harvest in 1874

CONTRIBUTIONS TO STATE FAIR FREE.

It will be seen by the Programme of the "State Agricultural Society," now published in our Columns, that the Managers of the Railroad and Steamers have liberally offered to carry all articles that are to be exhibited at the State Fair this year and from the Fair Free or Cost. This is a most creditable offer, more liberally than the Railroads of other States have shown.

Messrs. Wells Fargo & Co., have also with great liberality offered to carry all parcels to the Fair that do not weigh over "Twenty Pounds" Free of Cost. We hope such aid will be duly appreciated by all, and no advantage taken by their acts to impose upon them parcels or freight not strictly designed for Exhibition and Premiums, those merely taken up for show, for the advertising and sale, without reference to the "Public Interest" are not truly within the meaning of this liberal offer.

LOSSES IN GRAIN.

There is often as heavy Losses by Grain Speculators as by the Stock Speculators, and we venture the assertion that there are quite a number of persons who feel sore at the late rise in Wheat, especially those who contracted to deliver in September and October at \$1.70 to \$1.85, or even less.

We look for some severe deficiencies on the day of delivery—for that day must come, and Wheat will be no longer at present.

They that speculate must take their chances—like those who Play with Fire—they may get burned.

PLENTY OF BAGS.

There has been large arrival of Grain Sacks to this State from abroad within a week or ten days amounting in all to about Three Million Sacks, this caused quite a reduction in the market rates as will be seen by our Bag list.

The fall in the price of Freight to Liverpool, and the price of Bags, with the rise in price of Wheat, gives our Farmers quite an advantage! Will they now improve it and work off their crops as fast as is possible? Now is their time to strike for a market.

GRAND JURIES, PETIT JURIES, &c.

It seems strange that the Regulations in our Courts in relation to our Juries cannot be so arranged as to give our citizens confidence that the "Trial by Jury" that great "Palladium of Liberty," one of the inalienable rights of every citizen, as what the framers of the Constitution designed it to be.

It is a lamentable fact, however, that in too many cases too "Trial by Jury" is a mere farce. We heard a citizen remark the other day in speaking of Juries, and our Courts say

Our Courts are a farce, it would be better and cheaper to gather all the Indictments into one lot, put them into a Bag, then "Try the Bag."

The wheat crop of Oregon this year is the largest ever known. The salmon crop is also in excess of any previous year.

THE FREAR STONE FOR BUILDING.

We published last week an article on 178th page "Lost Art Restored," giving the history of the Manufacture of this most admirable invention. We have visited the manufactory on Bluxome street in this city and was courteously shown all the works and processes of its manufacture by the Manager with the various work done, all who are erecting New Buildings should visit this manufactory and see the beautiful work.

V. Cushing, Esq., the Manager is ever ready to courteously show all visitors the works, and what the Company can do. Their invention is a grand one, and will add greatly to all our new buildings in their appearance.

Those who desire to see how this new Stone looks in the building should go and see Messrs. Tallant & Co's. New Bank, the New Building of J. L. Riddle, Esq., corner Clay and Montgomery streets, the building of Capt. J. B. Thomas, corner Liedersdorf and Halleck streets; "Carmen's" New Building on Kearny street, and Mr. Low's Splendid Block, Corner Sansome and Clay streets and there are others also, all this kind of work appears to great advantage while it saves nearly fifty per cent. on the cost and is more reliable and durable than Granite or Marble.

DISPLAY WINDOWS.

TEMPTING THE APPETITE.

We think San Francisco can offer as handsome displays in the windows of our business Houses as any city in the Union.

ME-SAS BOWNS & BROS.

at their Family Grocery, no Pine street, make a fine show to tempt the appetite in the way of catches, and the display inside their Store cannot be surpassed in any establishment in the Union.

The display of all the choice and rare Jellies, Jams, Preserves, Pickles, Spices, form large Pyramids, while all the solid Goods, choice Teas, Sugars, Coffee, and all Family wants cannot be equalled on this Coast.

DISPLAY OF DRESS GOODS.

One of the Grand Display Window Scenes can be had at the *White House*, on Kearney street, this is the Great Establishment of the Coast, and probably Twenty or Thirty Thousand Dollars in value can be seen in these windows alone, of the Richest Goods found in our country—we need not go to Paris for London, we have them here.

TEMPTING THE POUSE.

One of the most unique, at the same time the Richest and most brilliant displays in our city is the Snow Window of Col. A. Andrews, on Montgomery street, opposite Platt's Hall.

The gorgeous show of Diamonds and other Gems, Rich Jewelry of all kinds, with superb Watches of new designs, all displayed in a most *Rocherche* style never before equalled in our city, makes this window a point of great attraction.

Col. Andrews is an old Californian, and is now doing a large and successful trade in his rich wares.

OUR POLICE REGULATIONS.

We believe we have an excellent Chief of Police in Mr. Crowley, and that he labors hard to carry out the best of his ability a wise and efficient system under his administration, but at same time he has not one half the force in numbers he should have for a city like San Francisco with a population of nearly Two Hundred Thousand people, of different Nations, Tongues and Kindred.

Our Police force should at once be doubled, and no man should be allowed on the list whose habits were bad; Drunkenness, Blasphemy, Gambling should disqualify a man from acting as a conservator of the Peace and Safety of our city.

Our streets are in bad order, blocked up with goods on the sidewalks and in the streets, drays, wagons and teams of all kinds block up the crossings and the streets, and Policemen pay no attention to these matters, crowds gather on the corners of the streets and obstruct the passers, and these violations of order are never rebuked. These things are not allowed in London or Paris, there the Police are always seen on their post ready at a moment to remove all obstructions and to arrest the offenders.

San Francisco should have a larger and more efficient body of men for the safety of our City and people, and when Policemen are found in "Corner Groceries" or in "Drinking Saloons" save when called there by their *Special Duty*, they should be expelled from office, and forever after disqualified for that office.

We should have such a body of Policemen, that to look at them, would be to see *Safety* in the man's look and actions—this is the kind of "Policemen" San Francisco needs at the present time.

LOOK WELL TO YOUR INSURANCE.

If we read the Records of the FIRE KING we shall see he has spread his most terrible Wings over every State and is carrying desolation everywhere.

Look to your Policies now and see that you are secure when the desolation shall come. We call special attention to the Advertisement of Messrs. HURONSON, MANN and SMITH at the head of our Columns.

This firm offer Ten Million Dollars as a fund to pay Policies—when the flames come to your property, this is the kind of material every person wants when the Fire makes its desolation.

We learn also that this Agency have been very fortunate since their Establishment here, and their losses have not been ten per cent. of their earnings—this assuredly shows a good Management on the part of the Agency, Remember, TEN MILLIONS CAPITAL.

Forgiveness.—Try what forgiveness will do before you resort to punishment.

EDITORIAL NOTICES.

Mining Journal.

We have received No. 1 of the Journal of the "American Bureau of Mines," Published by the Association, at Chicago, and Edited by W. D. McCarty, Esq. This gives indication of a valuable work for all interested in mines.

Diamond's MONTHLY, for August, to hand. Its contents are unexceptional as usual. The Publisher is out with a notice for 1874 of something astounding, of which we are to have the particulars in the next issue (September). As this is a reliable premium publication we shall look with interest for particulars. W. JENNINGS DICKSON, Publisher, 338 Broadway, New York.

INDIANA STATE FAIR.

We have received a Double Sheet Journal containing the Illustration of the Grounds and the Fair Buildings, making ready for the Great Exposition which is to take place on the 10th of the 16th October at Indianapolis, and for which the people have raised a Special Fund of One Hundred Thousand Dollars.

That some idea may be formed of its magnitude, we will say the buildings, stalls, to cover 36 Acres of ground, and on the largest and most complete of any of the kind in the United States.

LIST OF AGRICULTURAL FAIRS.

Those who are intending to take part in the coming State or District Fairs will find a list of the leading ones to be held this year in our Columns.

ELLWANGER & BARRY'S NURSERY.

We call the attention of our own Nurserymen and Tree buyers to the Card of this Firm, who are the largest Nurserymen in the United States, we will now send out their New Catalogues for a Planting Season of 1873, and 1874, let all see for them.

VIOCK'S NEW QUARTERLY.

We have received the 4th Quarterly Publication of this house, for 1873. This number contains vast amount of valuable information for the raising season of Bulbs and Seeds, and with rich illustrations. Everybody should send on and subscribe for these Quarterlies only 25 cents a year 4 valuable Magazines for only 25 cents.

THE NEW PEACH.

We call the attention of our Nurserymen to all Fruit Growers to the Advertisement of Messrs. Capps & Sons, of their New Peach the "Alexander Early"—it comes to us with recommendation from high sources.

Those who would like to secure this Peach leave their orders at our Office and they can secure trees of us promptly.

GILROY HOT SPRINGS.

These noted Springs have become famous for several remarkable cures that have been effected by the water there.

We have met persons that have known some wonderful cures of long standing Rheumatism men who for years were on crutches, who now walk erect in perfectly restored health.

There is excellent accommodations at the Hotel, and every attention is paid to Visitors and Invalids.

A FINE COOL AND HEALTHY BEVERAGE.

A fine and cooling drink for hot weather especially for our Harvesters in the Grainfields and Colder.

Take three teaspoonfuls of Pinole to a tumbler of water, add one spoonful of sugar stir well and drink, it will cool and refresh, where other drinks will heat, better than Ale, Beer or Strong drink, besides it will give strength to labor. Try it.

A RAIN OF CATALOGUES.

We are receiving Catalogues from Nurserymen, Seedsmen, and Florists, by Scores from all parts of the Union and from Europe. We shall try to do justice to all, yet we think, the interest of that class of persons would be greatly advanced if they would send us their regular Address, names, so we could make their trade known over the Pacific Coast, one single notice of the Catalogue may give their name some favor, or Three Months Card would put the Dollars in Eagles in their purses.

MISS EDMONIA LEWIS, THE ARTIST.

The most admirable works of this distinguished Artist are now on Exhibition at the "Art Union" on Pine street, every lover of Art should be sure to visit the "Art Gallery" for it closes next week. When it is remembered that Miss Lewis is a colored woman and self taught almost, her skill will be duly and justly appreciated—all men and see the groups of statuary by the superior Artist.

OUR PIONEERS.

These Veteran Founders of the Pacific Coast are to Celebrate their day 9th of September, admission of California into the Union.

The Pioneers made this State and they honor their own Natal Day, and while they are to Celebrate the day this year, they must not get that the next year is a Quarter Century of their work, and now is the time to prepare proper observance of that day also. God Bless and Preserve our Noble Pioneers.

"A Slight Cold," Coughs, &c.

of the importance of checking a cough or "croup" which would yield to a mild remedy, if neglected, attacks the lungs, "Brown's Bronchial Troches" give relief almost immediate relief.

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they show Written Authority from us.

Home Miscellany.



LEARNING TO WALK.

How much is comprehended in these words—they can be applied to all the Arts and Sciences, and to every Industry and Institution under Heaven for they intimate a beginning.

We however, allude to a very finely illustrated Song, just issued by M. Gray, Esq., Music Dealer, where the loving Mother is teaching her little loved one, how to go alone.

The picture on the Music is an exquisite one, and can only be fully appreciated by seeing it, then hearing it sung—here are the words. Every Mother with Love in her heart, and Music in her soul, should have this Song.

Only beginning the journey,
Many a mile to go,
Little feet how they patter;
Wandering to and fro.

Trying again so bravely,
Laughing in baby glee;
Hiding its face in mother's lap;
Proud as a baby can be.

Talking the oddest language
Ever before was heard.
Yet mother, you'd hardly think so,
Understands every word.

Tottering now and falling,
Eyes that are going to cry,
Kisses and plenty of love words,
Will beg again to try.

Father of all, oh, guide them,
The patterling little feet,
While they are treading the up hill road,
Braving thunders and the heat.

And then when they grow weary;
Keep them in path, ye bless,
And when the journey is ended,
Blessed, oh, give them rest.

"I AM SORRY!"

Never be so proud to own it
When you've done a neighbor wrong,
Or to frankly say "I'm sorry!"
This would make your spirit strong.

Don't imagine it will lower you
In any neighbor's eyes;
Truth's white plumes lift us always
To her level near the skies!

Oh how sweet to hear the sentence
From the very lips of youth—
"I am sorry! pray forgive me!"
Nobly uttered in its truth.

Living humble speech to others,
Is but sweet golden seed,
That shall bring forth fruit abundant,
To refresh us in our need.

To the aged and the helpless,
More than any, should we be
Tender, patient, kind and thoughtful
With the old time country.

Let us then be quick to own it,
When we've done a neighbor wrong,
Frankly saying, "I am sorry!"
With a spirit true and strong.

—By Mrs. M. A. KIDDER, in *Democrat's Young America*

A FATHER'S ADVICE TO A BRIDE.

Said a young husband, whose business speculations were unsuccessful: "My wife's silver tea set, the bridal gift of a rich uncle, doomed me to financial ruin. It involved a hundred unexpected expenses which, in trying to meet, have made me the bankrupt that I am." His is the experience of many others, who, less wise, do not know what is the goblin of the house, working its destruction. A sagacious father of great wealth exceedingly mortified his daughter by ordering it to be piloted on her wedding cards. "No presents except those adapted to an income of \$1,500," said he: "You must not expect to begin life in the style I am able, by many years of labor to indulge; and I know of nothing which will tempt you to try more than the well intentioned but perilous gifts of rich friends." Such advice is timely. If other parents would follow the same plan many young men would be spared years of incessant toil and anxiety; they would not find themselves on the downward road because their wives had worn all of their salary, or expended it on the appointments of the house. The fate of the poor man who found a henchman, and felt obliged to make a carriage to fit, is the fate of the husband who finds his bride in possession of gold and silver valuables, and no large income to support the owner's gold and silver style.

Men magnify trifles till they are frightened at them.

Forgiveness.—Try what forgiveness will do before you resort to punishment.

The Way of the World.—Religion on the tongue and self in the heart is the way of the world.

Difficulties.—Keep your difficulties to yourself, and let people know that you are in expectation of good for use.

Art and Soul.—Whatever may be the means, or whatever the more immediate end of any kind of art, all of it that is good agrees in this, that it is the expression of one soul talking to another, and is precious according to the greatness of the soul that utters it.—*Huskin.*

SPORT FOR THE YOUNG.

CURIOUS QUESTIONS AND ABSURD ANSWERS.

BY BOITE D. SOMMER.

Oh, Mamma! I met John and Alice Andrews on the street, and they are coming in to pass the evening with us to-night," exclaimed Martha Richmond, as she ran in home one winter's afternoon. "Mayn't we have some nuts and apples for refreshments?"

"Yes," replied Mrs. Richmond, "If you will crack the nuts better than you did last time."

"I do so wish we could think of some new game to play!" added Martha; "we are so weary of our old ones. Oh, dear! I haven't a bit of invention, or I might contrive something new. But there goes the door-bell: who can the caller be?"

She was not left long in suspense, for the servant came "in with the intelligence," "Miss Lucy Kimble wished to see Mrs. Richmond."

"Mamma, do ask her if she knows any nice games," said Martha; "perhaps she might;" although inwardly she rather doubted the fact, as she called to mind Miss Kimble's age and her probable loss of interest in such juvenile sports.

As soon as commonplaces were exchanged, Mrs. Richmond, however, opened the matter to Miss Kimble, who at once replied, "Oh, yes! I heard of one or two very nice ones this summer at the sea-shore. Let me see: I think 'Curious questions and absurd answers' would please Martha most."

"Shall I call her down, and let you explain it to her yourself? I fear I might not report it quite right."

"Yes, that would be better," said Miss Kimble; "and tell her to bring down with her some letter paper and a pencil."

"How many can play the game?" was Martha's first question.

"Any number you please," said Miss Kimble; "only each player must be provided with a pencil and a strip of paper, in order to write down what one of the party shall dictate. We will commence in this wise: First, put down on your paper a portion of time from a second to a thousand years. In a full company each person is to do this without knowing what his neighbor writes." Martha then put down on her slip the words, "Half an hour."

Now write some quantity of eatables, as one waffle, or two sausages, or forty griddle-cakes, and so forth." Martha then wrote, "Ten sweet potatoes."

"Next put down some number from one to a million." Martha wrote "Four hundred."

"Then yes or no, as you prefer." "Now the name of some one present."

Martha wrote "Mrs. Richmond." "Again yes or no, five times in succession." And Martha chose "No" for the whole.

"Now, a sum of money," "Ten dollars," wrote Martha. Now, a distance, from one foot to a thousand miles." Martha wrote "Twenty-five miles."

"There, that will be sufficient to give you a complete idea of the game, which you can at will make longer. These sentences are the answers. Now come the questions: First, How much longer would you like to live?"

Martha smiled as she read off what she had written, viz., half an hour. "I see," she continued; "each person's answer being different, some would be very absurd."

"Second question, How much do you generally eat at a meal?"

"Ten sweet potatoes is a stunning allowance," said Mrs. Richmond, as Martha read it off.

"How many children would you like to have?" "Oh, horrors!" cried Martha; "four hundred is worse than Brigham Young."

"Do you wear false hair?" "I see," cried Martha, "No! would always be a safe answer to that question."

"Who is your favorite in the room?" "My mother, decidedly," said Martha, reading off Mrs. Richmond's name; but no offence meant to you, Miss Kimble."

"Do you ever pawn your clothes?" "Fortunately I wrote No."

"Are you engaged?" "No."

"Are you very desirous of being married?" "No."

"Do you paint?" "No."

"What is your income?" "Ten dollars wouldn't keep me in shoes, much less in food and clothes."

"How far could you walk before breakfast?" "Oh, dear! to walk twenty-five miles, I would have to rise in the night."

"You perceive, no doubt, said Miss Kimble, "that the game can at any time be varied by giving out different statements to be put down, and by asking other questions."

"Oh, yes!" replied Martha, "I see plainly, and thank you very much for teaching me. We will certainly try it this evening, as two of my young friends are coming in very informally."

"We will be happy to have you stay to tea, and join in the game," said Mrs. Richmond to Miss Kimble.

Miss Kimble thanked her kindly, but said her dressmaker would be at her home in three quarters of an hour to try on a garment she much needed.

"Could you not return after tea?" asked Mrs. Richmond. "My servant shall see you safely home, and it will insure a more complete success to the game if you, who have already played it, would take the lead."

Miss Kimble assented to this latter request, and much merriment was afforded to all by the curious questions and absurd answers which she propounded.

A party of American boarding-school girls started for Europe the other day, under the charge of competent instructors, for a fifteen months' tour of observation.

Men's lives should be like the day,—more beautiful in the evening; or like the summer aglow with promise; and like the autumn, rich with the golden sheaves, where good works and deeds have ripened on the field.

FASHION IN MEDICINE—BELIEF WITHOUT INQUIRY.

What a small proportion of medical men think and investigate for themselves before accepting the prevailing theories! We read of an asserted discovery or a brilliant speculation of a great mind. It comes invested with the charm of novelty and borne on the tide of popular favor. We hasten to accept it as the modern phase of science. Should we stop to enquire into its merits, we fall behind the times; and it would be death to the aspirant for distinction to have any person point the finger at him and say—"That man is not up to the times. He is an old fogy." It is some excuse for this hasty adoption of new propositions that full opportunities for putting them to the test are seldom within one's reach. But when they are, we are not always disposed to employ them. It is easier to adopt by authority and fall in with the current. It always has been, and it always will be that a small number of individuals in any profession dictate to the masses. When men meet in council, a proposition is advanced and the presiding officer calls for a vote. A few voices respond "aye," and there are no negatives. The proposition is carried, and thenceforth it becomes the faith of the body. It is adopted by default. But few know enough to know its merits. And this is called a "deliberative" body. With just as much deliberation are scientific theories and speculations adopted by three-fourths of their advocates, if not vice-versa. Regularly comes afterward if at all. The novelty passed and the date vanished, thinking begins and doubts arise. An opposing theory springs up and fashion sets in towards the new. The same process is repeated and the faith of yesterday becomes superstition and folly. And this is "progress"—this backing and filling—this zig-zag wandering of the mind. But it is the nature of things and must be so.

Nevertheless some advance is made. Like a vessel tacking and running to the right and to the left, nearly over the same track, there is some headway accomplished, though at the cost of much travel and labor. We go "prospecting" into the realms of science, and one man in a hundred finds a diamond or strikes a vein of precious ore. Though multitudes fail, the work of life is carried on. In our profession and the collateral pursuits, the number of inductions and the original inferences increase daily, and the number of thinkers also. It is a busy era, and no man should be content to gravitate in a passive orbit and shine by reflected light. The precept of Rosh should inspire every capable intellect—"Observe, think and read! Read, observe and think for yourselves!"

We find the above wholesome counsel and sharp rebuke against some medical fashions which we think is much needed just now when there is so much quackery about.

PARLOR EXPERIMENTS.

The following beautiful chemical experiment may be performed by a lady, to the great astonishment of a circle at the tea-table: Take two or three leaves of red cabbage, cut them into small pieces, put them into a basin, and pour a pint of boiling water upon them; let it stand an hour, then pour it off into a decanter. It will be a fine blue color. Then take four wine-glasses; into one put six drops of strong vinegar, into another six drops of solution of soda, into a third a strong solution of alum, and let the fourth remain empty. The glasses may be prepared some time before, and a few drops of colorless liquid that have been placed in them will not be noticed; fill up the glasses from the decanter, and the liquid poured into the glass containing the acid will become a beautiful red, the glass containing the soda will become a fine green, that poured into the empty one will remain unchanged. By adding a little vinegar to the green it will immediately change to red, and on adding a little solution of soda to the red it will assume a fine green, thus showing the action of acids and alkalies on vegetable blues.—*Democrat's Mirror of Fashions.*

LIGHT AS A CURATIVE AGENT.

The statement has been made that Sir James Wylie, late physician to the Emperor of Russia, having attentively studied the effects of light as a curative agent, in the Hospital of St. Petersburg, discovered that the number of patients who were cured in rooms properly lighted was four times those confined in dark rooms. This led to a complete reform in lighting the hospitals of Russia, and with the most beneficial results. In all the cities visited by the cholera, it was universally found that the greatest number of deaths took place in narrow streets, and on the sides of those having a northern exposure, where the salutary beams of the sun are excluded. The inhabitants of southern slopes of mountains are better developed and more healthy than those who live on the northern sides, while those who dwell in secluded valleys are generally subject to peculiar diseases and deformities of person, these different results being attributed to the agency of light.—*Courier-Journal.*

A FINE COOL AND HEALTHY BEVERAGE.

A fine and cooling drink for hot weather especially for our Harvesters in the Grainfields is *Pineola Cooler*.

Take three teaspoonfuls of Pinole to a tumbler of water, add one spoonful of sugar stir well and drink, it will cool and refresh, where other drinks will heat, better than Ale, Beer or Strong drinks, besides it will give strength to labor. Try it.

GILROY HOT SPRINGS.

These noted Springs have become famous for several remarkable cures that have been effected by the water there.

We have met persons that have known some wonderful cures of long standing of Rheumatism, men who for years were on crutches, who now walk erect in perfectly restored health.

There is excellent accommodation at the Hotel, and every attention is paid to Visitors and Invalids.

Moss Basket.

Procure the beautifully green hanging moss from trees. Make a shallow hanging basket of paste-board: sew this moss within and without. Keep it as a receptacle for the choice autumn gatherings of wood and field. It is very pretty.

A DOUBLE CENTENNIAL ANNIVERSARY IN 1876.

We have not seen the fact stated or commented upon, but it is, nevertheless, true, that on the 4th of July, 1876, we shall have not only one, but two centennial celebrations, of almost equally important events, of a similar character. If on that day we mark a century of our country since the blow was struck that terminated the British sovereignty over this country, we shall also have arrived at the two hundredth anniversary of the year that first indicated that white men, and not Indians, were to be the future lords of North America. In other words, the most terrible, if not the first, of our great Indian wars, between a few feeble Colonists settled along the Atlantic slope in New England commenced in August, 1675, and ended in August, 1676, by the death of the celebrated Indian chief known in our annals as King Philip, of Mount Hope. This remarkable man saw a century before the American Revolution that a great white empire was growing up, that if the native possessors of the country would not be driven out then was their time to strike. Few white statesmen, and none in Great Britain, saw as clearly into the future as this monarch of the woods. He visited all the New England tribes. He assuaged all animosities. He formed, with the tact of a diplomat, a most formidable league of nearly all the New England natives. He came near blotting out all the white settlements in blood and fire. From August, 1676, when the great chieftain was killed, the question of supremacy was settled against the North American Indian. The aboriginal had yielded. It was just a century before the war was commenced, not between the whites and the Indians, but between the Colonists and the mother country.

The orator of the 4th of July, 1876, is not only to contrast 1776 with 1876, but must go back to 1676. Who is to be that orator? We confess we do not now see him, nor can we imagine where an exactly appropriate selection will be made. He must be a man of great original talent, of much weight and dignity of character, and, more than all, he must be a thorough American free from anything like sectionalism in his political views and patriotism. Just at this time we can not but think of the man who delivered the oration on the Centennial Anniversary, in 1832, of the birth of George Washington; who had previously spoken that immortal address in Plymouth on the 23d of December, 1820, at the end of the second century of the landing of the Pilgrim Fathers, and who on the 16th of June, 1828, made the noble oration, just half a century after the battle of Bunker Hill was fought, upon the occasion of laying the corner-stone of the monument that is now one of the attractions of Massachusetts. With Rufus Choate we are led fervently to exclaim, "Oh, for one hour of Daniel Webster!" at Independence Hall on the 4th of July, 1876. With what Miltonian grandeur would he thunder! His sentences would fall upon the ear like the sublime and delightful cadences of the great Cathedral of Milan. So superior was he to any other on occasion of an historic character, that he may with truth be said to be our only great national orator. Every thing about him was American and patriotic. He was the embodied representative of the country, and the words that he spoke were worthy of the highest thoughts of forty millions of people. Says Theodore Parker, "he was the kindest man who ever trod this earth." There is no man to supply his place at the Centennial Exhibition. We have plenty of orators, we have fine scholars and statesmen, but not one who stands out in majesty and dignity like Daniel Webster. With a far grander occasion, under the eye of Europe as well as of America; we do not anticipate that the oratory of the Centennial Exposition will be even worthy of comparison with that which was spoken to a small audience in the little church at Plymouth, within hearing of the surf-clad coast, on the 23d of December, 1820.

POSITIONS AND PLACES WANTED.

We are constantly in receipt of Letters from the Western States, making inquiry for prominent places for competent persons as Head-men or Stock Raising Farms, Overseers on Ranches, Head-men to conduct a Dairy, or a large Poultry establishment. This shows that the various and large products that are shipped over the "Railroad" and by Steamers East, are attracting great attention, so much so as to induce those who feel qualified to act as Superintendents to desire to come to our State as a new field of operations.

As it is in our power to furnish both parties, the Employer and Employed, with what they desire; We advise all such to make known their wishes fully and confer with us.

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Miscellany.

JOHN JANKIN'S SERMON.

The minister said last night, says he,
"Don't be afraid of death;
If your life ain't nothin' to other folks,
Why, what's the use of livin'?"
And that's what I say to wife says I,
There's Brown, the miserable sinner,
He'd sooner a beggar would starve than give
A cent toward buyin' a dinner.

I tell you our minister's prime, he is,
But I couldn't quite determine,
When I heard him sayin' it right and left,
Just who was his by his sermon.
Of course there could be no mistake
When he talked of long-sufferin' prayin'
For Peters and Johnsons they eat and sowled
At every word he was sayin'.

And the minister he went on to say,
"There's various kinds of cheats,
And religion's as good for every day
As it is to bring to meekness."
I don't think much of a man that gives
The Lord arena at my preachin',
And spends his time the followin' week
In cheatin' and overreachin'."

I guess that dose was bitter enough
For a man like Jones to swallow;
But I wonder he didn't open his mouth,
Not once, after that to boller.
Barthol, says I, for the minister—
Of course I said it quiet—
Gives us some more of the open talk,
It's very refreshin' diet.

The minister bit 'em every time;
And when he spoke of fashions,
And a riggin' out in bows and things,
As women's rulers' passion,
And a comin' to church to see the styles,
I couldn't help a-winkin'!
And Barthol, my wife, and, says I, That's you."
And I guess it set her thinkin'.

Says I to myself, that sermon's pat
But man is a queer creation;
And I'm much afraid that most of the folks
Won't take the application.
Now, if he had said a word about
My personal mode of "shakin',"
I'd been gone to work to right myself,
And not set here a-grinnin'.

Just then the minister says, says I,
"And now I've come to the feller
Who's lost this shower by, says I, their friends
"Sect o' moral umbrilless,
Go home," says he, "and find your faults,
Instead of huntin' your brother's;
Go home," he says, "and wear the coats
You've tried to fit for others."

My wife she nudged, and Br. was he winked,
And there was lots o' grinnin',
And lots o' lookin' at our paw;
It set my blood a-billin',
Says I to myself, our minister
Is givin' a late dinner;
I'll tell him, what mother's out, that I
Ain't at all that kind o' a critter.

THE OLD COMMODORE ON A LIGHTNING TRAINS.

Commodore Vanderbilt likes to travel fast. With him time is money. He rides behind fast horses, on fast steamers, and on his own railways behind your mile a minute iron steed. A few days ago, the Saratoga Express which leaves Troy at 10:15 A. M., was fifty minutes behind time. The engineer, a daring, reckless fellow, was bound to make up lost time. He had previously run his engine and six cars from Saratoga to New York inside of five hours and sixteen minutes, and the other day he beat the best time ever made between Troy and New York. Commodore Vanderbilt was on board. He was vexed because no smoking-car was attached to the train. He was provided with a well-filled case of fragrant Havana, and occupied a chest in the baggage car near the engine.

The train left Troy at 11:55 A. M., and made good time to Catskill. A crowd of sporting men got off at this station, and said they did not want any more riding like that. On leaving Catskill, the colored porter smiled and said, "Now we're going to go, I specks; the old gentleman likes it." On slow the iron horse, rushing, snorting and puffing smoke at a fearful rate. The lady passengers gave an occasional "Oh, my!" while the speed was increased from thirty-five to forty, and then to fifty-five miles an hour. At the curves Commodore Vanderbilt would give an extra puff to his cigar, and cling to the box with his heels.

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity to our Cause and to our State, Journals that will extend California's interests and speak of our State as she deserves, will receive our first consideration. We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference; other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and, as we pay the Postage this side on all we shall continue others will receive due notice of our declining Exchange.

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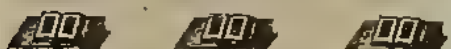
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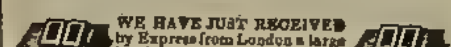
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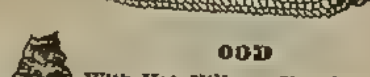
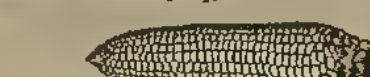


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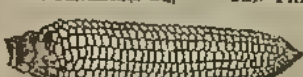
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EUROPEAN.
Our Special Correspondent.
PARIS, August 9, 1873.
RAPID, PROSPEROUS FARMERS.

Parisians here must be very happy since
they have no complaints. The harvest is mag-
nificent, and farmers are busy making money.
The weather is very good, and the Assembly has
all the Perceps restrictions abolished out-
side, to close excellent markets against
France. Till 1877 France will steadily
the road of material prosperity. Rural
life is also looking up, as they claim to
be equal representation at the Board of
to that enjoyed by commerce and industry.
Paris is perfectly free from the cattle
and an efficient system of sanitary police
course of organization. Another evil has
disappeared—the German occupation.
Paris being impoverished by the terrible ran-
som paid, the government has a purse so
small, that it seriously contemplates ac-
cording a partial indemnity to those farmers, who
motives of produce, but without the in-
fluence of the authorities, voluntarily slaugh-
ter, suspected to be infected.

THE SURETY INVESTMENT.
Next to heresy to question in presence of
admirers, the qualities of South-
hence the warmth of the debate over the
superiority of the Shropshires. If the
Southdowns has deteriorated in France
must be sought in a neglect of the con-
dition of climate and life; if the sheep have
less hardy that degeneracy is a conse-
quence of imprudent crossings or renovation of
or pushing too far their specialisation
and promises to be independently treat-
the "Shepherd's School," about to be
founded from the North of France to its old
at Rambouillet. This school is as im-
portant as it is practical. Pupils are admitted at
of 16, remain for two years, are boarded
at the expense of the State, receive a
and a prize of 300 francs on the comple-
tion of their apprenticeship, but in any case a
200 francs. Candidates must be able to
write, and deal with figures; which edu-
cation is continued by the clerk of the school.
Instruction is practical and exhaustive, com-
prising that relates to the breeding, rearing,
tending of sheep, a knowledge of their dis-
eases, mode of treatment; their shearing, and
their slaughtering and preparation of
for the market. The pupils also, have to
part in the general farm work. Paid to
continue to be addressed to the govern-
ment, that measures be taken to stimulate
breeding and rearing of horses by insuring
military authorities pay a remunerative
or animals purchased. It is indirectly
that notice be taken of the alarming
made in the consumption of horses. As-
and complaints of France buying up her
animals, and France returns by making a
charge against England. It is Germany
the real purchaser—and culprit.

NOT WEATHER AND HARVEST.
The cheering sun that has been our pleasant
and unpleasant visitor since some time, has hast-
ened the harvest, which this year will be more
than an average one. However, it is only when
the grain is threshed that the grand total is
made known by the government. The wheat has
been shorter in the ear this season, but the qual-
ity is excellent. Weeds have been very trouble-
some. Oats are magnificent. One circumstance
is very striking, the increase in the employ-
ment of reaping machines. But a few years ago
they were viewed as a curiosity—now they are
a necessity. Departments that counted these
reapers by tens, now cast them by fifties. If
there be one salient feature more than another,
distinctly prominent in modern French farming,
it is the rapid increase in the employment of all
agricultural machinery—an impetus to be alone
traced to English and American importations;
the organization of trials, and the liberal facili-
ties offered for payment. An international trial
of reapers has just taken place at the agricul-
tural college grounds of Grignon. Home and
foreign manufacturers competed, first separately,
and then together for the blue ribbon. A well-
known foreign firm won, and to the credit of
France not so much on the broad proofs of work,
as in the addition of superiorities of detail. The
machines still are deficient in lightness and easi-
ness of draft, leaving something also to be de-
sired in the way of simplicity and regularity.
Agriculture is so short of hands this year that
more than double the usual number of soldiers
has been granted furloughs to aid in the harvest
operations. The rate of remuneration is fixed for
each of the ten military zones into which France
is divided; thus in addition to food and lodging,
a soldier laborer receives in the northwest of
France, but one franc per day, and in the north,
nearly double that rate. The mean payment is
about one franc and a quarter.
(Concluded next week.)

OCCEIDENT TRIUMPHANT.
It may be recollected that last year we fully ex-
pressed our opinion that our "California Horse,"
Occident, would yet come off in triumph and
beat the famed "Goldsmith Maid" and, that if
tried fairly by himself he would yet show a better
time than any horse in America or Europe ever
made, in fact that Occident would beat the
World.
It was not our pleasure to be present at his won-
derful test yesterday, but we give from the *Sacra-
mento Record*—his splendid achievement.
"At the Agricultural Park, race course, yester-
day Occident fairly retrieved his reputation by
making, in a race against time, in harness, the
splendid time of 2:10, thus equalling the best
mile ever made by Goldsmith Maid, and beating
her best time in this State. Occident made the
first mile heat yesterday without a skip, but broke
in the second half mile of the second heat. The
unparalleled time of 1:05 was made by this plucky
little horse in one of his half miles, and despite
the break in the second heat the stop watches
showed the highly respectable time of 2:10 for
that mile. This horse was accompanied by a
mounted nag, whose rider had hard work to keep
up with the lightning trotter on the homestretch.
The test, in its general conditions, was a severe
one. The crowd was immense, and to the un-
pardonable crush on the homestretch beyond the
old grand stand may be attributed the break in
the second heat. Certainly no such disorderly
and confusing interruption of people on the course
at the very crisis of a race would be permitted in
any other part of the world, and the assertion
that certain well-trained horses face it, is not at
all a justification of the thing. The best animal
that ever trotted or ran a race might be frightened
and thrown off his feet by being driven almost in-
to the middle of a dense crowd of shouting, scream-
ing, gesticulating men, all of whom are roaring
and waving their hats as they might do if, instead
of trying to encourage a timid horse, they were
bent upon scaring away a mad dog or furious bull.
On all the occasions where Occident has
appeared in public he has had to face this intoler-
able nuisance, and we have no hesitation in as-
serting that under such drawbacks a horse of his
caliber cannot have fair play. Yesterday's race,
however, has shown what is in him, and the best
judges among those who then observed the splen-
did machine-like power and ease of the animal,
and the absence of anything in the shape of vi-
olent effort even at his utmost speed, are disposed
to believe not only that he has not been overrated,
but that with careful and intelligent training he
may yet prove himself capable of equalling, if not
excelling, the best time ever made, namely,
2:10."

It is estimated that Ten THOUSAND people wit-
nessed this great spectacle of Trotting—the hand-
somest exhibition of Trotting ever made in Ameri-
ca, or any other country for ease, grace of action,
or smooth, gliding speed. Occident seems to
glide over the ground as an eagle glides through
the air when with steady wings it sweeps its
course onward.

Eastern Correspondence.

LEAVES FROM MY JOURNAL.
BY M. A. FARLEY.
NUMBER FIFTEEN

Hot for Ocean Grove! The Captain asked us
if we wanted to spend a day at the Camp Ground,
and of course we were only rejoiced in answering
in the affirmative. The horses felt the inspiring
influence of the ocean breeze and flew on at a
rapid rate, and we enjoyed keenly the pic-
turesque scenery through which we passed. We
talked and laughed as merrily as children, and
Mabel was as frolicsome as a kitten and her blue
eyes sparkled with happiness.
The Grove is a most attractive place, and the
Methodists have shown not only good judgment
but great shrewdness in locating their camp
ground not only in such a favorable neighbor-
hood, but where it must feel the improvements
which are especially designed to benefit Long
Branch. It is convenient to both New York and
Philadelphia, and the success of Long Branch in
the end will add greatly to its pecuniary value.
The character of the new college is beginning to
show the advent of wealthier residents who can
afford to make the expensive improvements which
will become necessary. The rank and file of its
visitors are liberally accommodated, while its
permanent population will cheerfully bear the
expense of its embellishment. The value of the
lots has already greatly increased.

We strolled through the woods, admiring the
comfortable arrangement of the tents, the dis-
position of the places of worship, and then ex-
amined the cottages which are now numerous
enough to warrant the establishment of the United
States Postoffice. We walked to the beach
and watched the play of the surf for a long while,
and then amused ourselves by the antics of the
bathers who seemed anything but "pilgrims and
strangers." The beach is finer than at Long
Branch and the arrangement of the bath houses
and safety lines is simply perfect. We dined at
an admirable kept hotel outside the Grove. The
hours were so fully occupied that it was time to
return before we were aware of the flight of
time.

As we rode home, with the sublime expanse of
the Atlantic on one side and the glorious prospect
of the other, we listened to the Captain's tales of
the sea, and sang the sweet old tunes which are
always heard ringing like the voice of Faith and
Love above the too often harsh voices and harsh
words of the preachers at every Methodist camp
meeting.

The moon was rising from the ocean and
presented a magnificent appearance as we drove
into the old orchard, yet the beautiful starlight,
and the cheerful light in the "Cottage by the
Sea," made us feel glad to be again at home.
Little Mabel's head had since fallen weary on the
protecting bosom of her mother, and we all felt
the influence of the hour as we sang softly:
"The day has past and gone,
The evening shades appear,
Oh may we all remember well
The night of death draws near."
Lord keep us safe this night
From all our doubts and fears,
May angels guard us while we sleep
Till morning light appears."

THE FINEST FRUIT IN THE WORLD.

The Durian, a fruit about which very little is known
in England, but which is reckoned by sailors and Eu-
ropeans in the Malay Archipelago to be the finest fruit
in the world, grows in great abundance in Java and
Borneo. It grows on a large and lofty forest tree, some-
what resembling an Elm in its general character, but
with a more smooth and peely bark. The fruit is round
or slightly oval, about the size of a large coconut, of
a green color, and covered all over with short stout spines
the base of which touch each other, and are consequent-
ly somewhat hexagonal, while the points are very strong
and sharp. It is so completely armed, that if the stalk
is broken off it is a difficult matter to lift one from the
ground. The outer rind is so thick and tough that from
whatever height it may fall it is never broken. From
the base to the apex five very faint lines may be traced,
over which the spines arch a little; these are the struc-
tures of the carpels, and show where the fruit may be
divided with a heavy knife and a strong hand. The five
cells are saucer-like within, and are each filled with
an oval mass of cream-colored pulp, imbedded in which
are two or three seeds about the size of chestnuts. This
pulp is the eatable part, and its consistency and flavor
are indescribable. A rich butter-like custard highly
flavored with almonds gives the best general idea of it,
but intermingled with it come wafts of flavor that call
to mind cream-cheese, Onion-juice, brown-sherry, and
other incongruities. Then there is a rich glutinous
smoothness in the pulp which nothing else possesses, but
which adds to its delicacy. It is neither acid, nor sweet,
nor juicy, yet one feels the want of none of these quali-
ties for it is perfect as it is. It produces no nausea or
other bad effect, and the more you eat of it the less you
feel inclined to stop. In fact, to eat Durians is a new
sensational, worth a voyage to the East to experience.
Garden.

PLOWING.

Then shall Till the Earth and Sowing II.—Scripture.
The common, or more general reasons given as
the object of plowing are to pulverize the soil
to mingle the different portions, to kill weeds,
to cover manure, and to keep the surface open
and fresh. A still farther object, which may per-
haps be included in the foregoing, is to air the
soil. Air is essential to the preparation of plant
food in a soil; it changes a putrefactive process
into one of oxidation; and the moment in which
the putrefaction of organic matter changes to one
of oxidation, the soil changes from an infertile,
in a fertile, or its fertility is measurably increased;
the oxygen in the soil is no longer employed in
converting soluble matter into insoluble, but
serves for the formation of carbonic acid, which
enters largely into the composition and food of
plants. In a soil to which the air has little or
no access, animal or vegetable matter does not de-
cay, at most they can only putrefy, which is a
strong acidifying process; they only decay when
air is freely supplied. We thus see that a most
important object in plowing is to freely air the
soil, that oxidation and decay may go freely on,
thus preparing and supplying adapted plant food
in the soil, that may be readily absorbed and taken
into the composition of plants.

The plowing which will accomplish these fore-
going objects, in the greatest perfection, is the
best. It will be inferred from what has already been
said that pulverization of the soil, in plowing, is
the most important; and that the system which
accomplishes this the most thoroughly, is the best.
This is best understood by all those most thor-
ough cultivators who wish to grow the finest, best,
and greatest product from a given soil. Would
all our farmers but adopt this course, in plowing,
and plowing generally, with all their lands, we
should hear little about poor crops, failure, etc.
In this way we may make twenty acres do the
duty now performed by thirty or forty; and how
much better than to add the increased cost to the
farm by doubling its surface area. "A saving of the
first cost, saving in labor, and saving in every way
is thereby accomplished. The writer is well aware
that soils vary, and they cannot all be plowed,
and worked alike, but that there can be a great
improvement, in the plowing and working of all
soils there is not the least shadow of doubt.

It has been aptly said that: "Nearly every far-
mer in the country has a new farm under the old
one; I would improve on this by saying that it is
my conviction that nearly every farmer has a farm
lying within the confines of his present one; and
that by performing all his culture in a more thor-
ough, careful manner he will soon find his reward
in the old, new, farm.

It is never advisable, in any soil, to plow so
deep as to throw the cold, dead, subsoil on top of
the richer, warmer, upper soil, to any consider-
able extent; but that in many instances the loosen-
ing of the hard and compact subsoil is of the
greatest importance, this is the first step in deep-
ening the surface soil; after which we may begin
to turn up a slight depth of the subsoil gradually,
and as it becomes ameliorated, more may be ad-
ded in the same way.

There are several different ways of plowing soil,
and follow ground; but it is not my purpose here
to criticize, or describe any of them, only to state
some general principles deduced from experience
as well as of observation. That way of plowing
which most effectually pulverizes the soil and still
keeps the richest and best at the top, is the best
and most economical. The tendency of the feed-
ing roots of plants is to seek congenial soil near
the surface; as here the largest part of pebbles
from organic matter is prepared, air, moisture,
and warmth of the sun, not more immediately
at, or near the surface.—GUARDIAN, in *Mary
land Farmer*.

DESTRUCTION TO CROPS SOUTH.

We clip the following from our Exchanges, upon
the injury by Caterpillars and other Worms:
We are sorry to learn that the caterpillar is de-
vastating the cotton crop. Many who have used
Royal's Destroyer complain that enough para-
green administered to destroy the worm, also kills
the plant; others have used it with no effect upon
the worm at all. All who have used it should be
careful not to allow any stock to get a taste of the
cotton plant upon which the poison has been
placed, as it will kill them. We hear of an ox
being killed in this manner lately.
The cotton worms are still at work upon those
fields where Paris Green has not been applied,
wherever there is a leaf to work upon. The fields
look very "ragged," and the crop is seriously in-
jured.—*Victoria Advocate*.

Corn weevil has already made its appearance
in the crop, and we fear that unless some preven-
tive be used at the housing of the crop, much
damage may be done. We have heard of quite a
number of remedies. The one which impresses
us most favorable is to sprinkle salt and water
upon each bush as it is thrown into the crib.—
Gonzales Index.

WALTER BROWN & SONS WOOL CIRCULAR.

New York, September 1, 1873.
The wool market for the past thirty days has
been characterized by a steady demand from con-
sumers, with values on the grades of the staple
well maintained. As is customary when the assortment is ample,
the inquiry has been for shoddy Wools and during
the month the supply of such lots has been con-
siderably reduced. The natural result of such a
depletion in the stock of desirable fiber, is a
gradual hardening in value, and we have now to
note a rise of about three per cent. since our last
issue. This upward tendency is also somewhat
due to heavy purchases of foreign Wools made in
the American markets for European account,
which has in a great measure, relieved the pres-
sure on this description, besides encouraging an
advance on domestic, and will materially assist
importers in working off their purchases without
loss.

The Fall trade in woolen goods opened with
considerable animation, and with most of the
commission houses the transactions are much in
excess of those of last year; in fact, in several
instances we hear of sales ahead, which it will
employ the mills for some months to consummate.
This is quite encouraging to manufacturers, and
they, having confidence both in the continuance
of a good trade in their own productions, and in
firm prices for the raw material, have during the
past few weeks been free purchasers of such Wools
as they are likely to require for the next two or
three months.

For Combing and Deline grades there has been
an active demand, with steadily improving values.
The manufacture of these wools is rapidly increas-
ing in this country, and such of our domestic
fleeces as can be combed, are eagerly sought after
to mix with the imported article and thereby
cheapen the stock required. It is a matter of re-
gret, that the American manufacturers of worsted
goods should be obliged to go abroad for the bulk
of their supplies; but this must necessarily be
the case, until our farmers see their own benefit
in increasing the production of the full blooded
Leicester and Cotswold breeds of sheep.

The present condition of the Wool and Woollen
interests, considering the apparent small available
supply of Wool, would indicate a reasonable
prospect of further advance in values, and it is
evident that many of the speculative transactions
which have occurred within the month, are based
on this supposition. On the other hand, the ap-
proaching transfer of the crops from the West to
the East will undoubtedly create a large monetary
drain on the seaboard markets during the remain-
der of the year, with the consequent high rates of
interest, which almost invariably have a depress-
ing effect on the general mercantile community.
It is not at all probable that money will command
such exorbitant rates as a year ago, but it is a
point to be borne in mind by wool operators, who
look for their profit in a prospective future rise
in prices, that there is probably no other staple
which is so easily depreciated in value by a finan-
cial stringency.

TUB-WASHED WOOL.

Choice.....	53 @ 55
Fair.....	50 @ 52
Inferior and Barry.....	44 @ 48
PULLED WOOL	
New York City extra Palled.....	40 @ 46
New York City super Palled.....	40 @ 45
New York City No. 1 Palled.....	38 @ 42
Western super and extra.....	38 @ 42
Country extra Palled.....	45 @ 50
Country super Palled.....	45 @ 50
Country No. 1 Palled.....	40 @ 45
Canada Palled.....	— @ —

CALIFORNIA

Spring Clip, fine.....	30 @ 36
Spring Clip, medium.....	30 @ 35
Spring Clip, low grades and burry.....	24 @ 28
Fall Clip, A.....	30 @ 32
Fall Clip low grades and burry.....	17 @ 20
Extra Palled.....	— @ —
Super Palled.....	— @ —
Low Palled.....	— @ —

GRAIN AT HOLLISTER.

Great activity has prevailed at the depot during
the week in moving off some of the immense quan-
tity of grain that has been accumulating there
for some time past. The company are making
efforts to meet the demands on their carrying ca-
pacity. Last Saturday 34 cars were sent up,
which took away 11 tons, each, or an aggregate
of 374 tons. On the following Monday 24 cars
arrived and took away 264 tons, besides a large
quantity of wool and hides. But still so vast are
the accumulations, from the surrounding farms
that storage is impossible, and wheat sacks are
being piled up in hundreds in every available
space about the depot.—*Advance*, Sept. 13th.

The cotton worm has invaded Montgomery
county in force, and the planters are now invest-
ing in arsenic and Paris Green.—*Tran Farmer*.

Horticulture.



MY NEIGHBOR'S GARDEN.

Up to the border of my small domain
My neighbor's garden stretches wide and sweet;
His roses toss against my window-pane;
His jasmine wreaths my porch and doorway sweet.

My threshold every May is carpeted
With pale pink petals from his peach-tree blossoms;
His tulips like his little daisy heads
Up to the easement where I sit alone.

Waking, I hear, as dawn the morning light,
My neighbor busy in his bordered walks,
Noting the added beauties born of night,
Picking the weeds among his flower-stalks.

From early March, when the brave crocus comes,
Edging the beds with lines of blue and gold,
Till the concluding, hazy chrysanthemums
Contend against December's cruel cold.

My neighbor toils with wise and patient hand,
Sowing seeds in his work for sun or shower,
Evolving gradually from mold and sand
The germ, the leaf, the perfect bud and flower.

A rare magician he, whose touch transmutes—
Helped by the sprays which rule the air and dew—
Dry dormant seeds and dark unlovely roots
To graceful shapes and richest scents and hues.

His garden teems with glad and brilliant life,
There wheel and drive the gaily dragon-flies,
See gaudy tributes from their distant haunts;
And gray moths flutter at the daylight dies.

Sparrows and wrens sing songs which need no words;
And over flower-cups scarce more bright than they,
Green-winged and scarlet-throated humming-birds
Hang, trauced with sweets, then whirl and dart away.

From branch to branch, beneath my watching eyes,
His net a black and golden spider weaves;
And scores of many-colored butterflies
Waft in and out among the dancing leaves.

My neighbor in his midst—thrice favored one!—
Devises, plants, trains, weeds, and waters patiently,
Studies the alchemy of rain and sun,
And works his floral miracles for me.

For me I not once enjoy this Paradise,
As I, within my overlooking room:
As I not once even by the owner's eyes
Attends—the whole wide stretch of growth and bloom.

With night and mind absorbed, he little thinks
How all his garden's sweetness drifts to me—
How his rich lilacs and his spiky plums
Send fragrance up to me continually.

Yet still he labors faithfully and long
My loneliness to brighten and beguile,
Asking for all this fragrance, bloom, and song
Not even the small repayment of a smile.

Unconscious friend, who thus enriches me,
Long may thy dailies thrive, unwatched by night,
Unplagued by worm or frost! and may there be
No serpent in this Eden of delight!

And ye whose spirits faint with weakness,
Count not your work unvalued and unknown:
Covered by your toil, some silent soul may bless
The hand which strives not for itself alone.

BRAINS GOOD SEED.

"The part of the holding of a farmer or landowner which pays best for cultivation," said the immortal Charles Dickens, "is the small estate within the ring-fence of his skull. Let him begin with the tillage of his brain, and it shall be well with his grain, roots, herbage and flocks, sheep and cattle—they shall thrive, and he shall thrive." It is the duty of farmers to obtain a practical education, as well as a moral one. Cultivated brains are a crop that never fails. It is a settled fact that a thorough business training is essential to success in any department of usefulness.

MOWING STRAWBERRIES.

During one of the winter meetings of the Massachusetts Horticultural Society, the subject of mowing off the leaves of strawberries came up for discussion; most of the speakers agreed as to its highly beneficial effect. It resulted in producing a growth of more vigorous and healthy foliage; the flower buds for the next year being formed at this time, each a quality of foliage is of great importance. Further observation has also shown that not only the tops but the roots are renewed at this time, giving a new and vigorous set of roots to furnish nourishment to the growing fruit.

PERFECT ROSES.

Peter Henderson (in the *Agriculturist*), in allusion to the fact that all the good qualities of fragrance, beauty, hardiness, and constant blooming, are not to be found in one rose, quotes the words of a German neighbor, who came to him in great irritation, and said, "I have so much trouble with my roses when they come to buy mine rose; they want him hardy, they want him moody, they want him fragrant, they want him nice looking, they want him every thing in one rose. I have sometimes said to my ladies: 'My dear, I never often see that ladies that was beautiful, that was rich, that was good looking, that was young, that was clever, that was perfection in one ladies. I see her much not.'"

For Throat Diseases and Affections of the chest, "Brown's Bronchial Tonic" is of value. For Coughs, Irritation of the Throat caused by cold, or Unusual Excretion of the vocal organs, in speaking in public, or singing, they produce beneficial results.

THE RHEINGAU AT THE VIENNA EXHIBITION.

The tasteful arrangement of the collection of samples of Rheish wines at the Vienna Exhibition deserves to be described in one of the brightest chapters on the production of German industry. Johannsberger, Hochheimer, Steinberger, Roeschbaler, Marobronner, Rudesheimer, Giesheimer, Assmannshausen, &c., stand forth conspicuously as representatives of the wine growing district. We would not envy the critical tongues in the agreeable duty of testing all these delicious beverages in these warm summer days. The college of judges was loud in its praises of our home wine productions, and even those kinds not produced on the banks of the broad golden stream were highly appreciated. We note down the following details as facts of peculiar interest.

The days appointed for the examination of the wines were indeed warm. More than 30,000 different samples were submitted to the international jury for examination, and the members distinguished themselves by carefulness, conscientiousness, and patience worthy of the honorable body. Even the most insignificant wines were not overlooked, which is said to have been the case at former exhibitions.

It is not strange that among such a great variety of samples a number of insignificant kinds should be found, but the greater number by far were of the best of the highland productions of all countries and zones. The most excellent of Rheish gifts produced in France, Portugal, Spain, Italy, Greece, Germany, Hungary and the other Austrian crownlands were here more fully represented; here were the finest Chateau d'Aquem, the noble Tokays, the most glorious Spanish, Portuguese and Italian products, wines from Ohio and California; and last, but not least, the most precious wine of the grape ripened by the beneficent rays of the sun on the banks of the Rhine. We doubt whether any former exhibition has had such a rich and imposing representation of wines.

The testing of the German wines began with those of Wurttemberg and Baden—the excellent wines of Black-orchard (in Schillengau), though they did not rank above good table wine, yet in consequence of their excellent quality, particularly the Baden wines, were universally praised, and thus were given an opportunity of enhancing their sale.

The following day the Moselle wines won a brilliant victory under the admirable management of their exhibitor, who so skillfully set forth their excellence that a far more favorable judgment was pronounced than at any former exhibition. But, on the Rhine, on the Rhine there grew our finest wines!

The Rheish wines had no slight difficulties to encounter, but succeeded in holding their place with honor. As at the last Paris Exposition, so also here the Wilhelm collection carried off the highest prize for the Rhine wines.

The spectator could not fail being impressed with the ingenious and skillful assortment (in fifty numbers) in its various modifications of samples of the best vineyards of nearly all the celebrated wine-growing districts from 1857 to 1868.

Here criticism gave way to admiration, and each successive number was hailed with applause by connoisseurs of every nation.

The wonderful variety and characteristic difference in the various samples gave satisfaction to all; there every one seemed to find his ideal of wine, one preferred this, another assigned the first rank to another sample; hence it would be difficult to affirm to which kind preference is due. The best wines, however, were among those of the vintages of 1859 and 1861, especially as they included nearly two thirds of the whole collection.

The Wilhelm wines were the last that were tested, and here again as at Paris they achieved a brilliant triumph for the whole wine industry of the Rheingau, and will doubtless retain their fame in the future.

After the Wilhelm wines came the Cabinetkeller of the Prince of Metternich and the Duke of Nassau, whose old fame was renewed. But this did not abstract from the credit due to the other producers, whose efforts in consequence of the continuous recurrence of the former received comparatively little notice, till the participation of a zealous and skillful champion of a private industry succeeded in winning also for them consideration, and which will prove useful, not only to him but also to all the wine-producing districts represented in his samples. The Cabinetkeller of prince Metternich exhibited only 5 samples (1857, 1859, 1861, 1862 and 1863 Johannsberger estate), all of excellent quality; the vintages of 1859, 1861, and 1862 were particularly distinguished by their irreproachable sweetness and fineness.

Not less excellent were the samples from the domain of the duke of Nassau, especially the Rudesheimer of 1861 and the Steinberger of 1862, while the collection of nearly 30 numbers included several samples of wines of the latest vintage and early part of the present one, which hardly seemed in their proper place here.

Most of the other samples of the collection of Rheish wines received honorable mention as the distribution of prizes will show. To enter here into details would be out of the place.

The Rheish sparkling wine industry exhibited samples of its excellent manufacture and obtained due recognition. The Mattheus Muller mousser particularly successfully rivalled with the best French sparkling wines they were indeed of unsurpassed fineness and quality and brought forth the highest praise for the firm of Mattheus Muller in Eltville.

On the whole the Rheish wine growing districts were worthily represented at the Vienna Exhibition, and gave great evidence of the admirable manner in which they are managed.—*New York Wine and Fruit Reporter.*

OUR EXCHANGES.

We are constantly in the receipt of *New Journals*, and others from *New places* requesting us to exchange. We shall always do so, possibly, consistent with our now very large list, but in order to convince us that we should do so, we must see in these Journals some evidence of reciprocity to our cause and to our State. Journals that will extend California interests and speak of our State as a desirable, will receive our first consideration. We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decide some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and as we pay the Postage this side on all we shall continue others will receive due notice of our declining Exchange.



Thirteen First Premiums

RECEIVED IN 1867 & 1868.

FOR THE BEST

WHITE AND RED WINES

Gold Medal Awarded

BY THE STATE AGRICULTURAL SOCIETY, 1867.

Silver Medal

BY THE MECHANICS FAIR, 1866.

FOR THE BEST SPARKLING WINES.

LANDSBERGER & CO.

30-12. 422 to 429 Jackson Street.

AGENCY OF

The Orleans Hills Vinicultural Association,
Sacramento, California.

Messrs. Pellett & Carver,
ST. HELENA, CALIFORNIA.

Wine Cliff Vineyard,
BURRAGE & TUCKER, PROPRIETORS,
NAPA, CALIFORNIA.

And many other Vineyards throughout the State.

SOUTHERN REFINING COMPANY,
LOS ANGELES, CALIFORNIA.

Potrero Distillery Company,
SAN FRANCISCO, CALIFORNIA.

JAMES HENNESSY (established in 1872.)
COGNAC, FRANCE.

On hand, and for sale, in Wood or Glass, in Lots to suit the Trade.

Dry White Wine from Mission, Reisinger, Orleans, Chasselas, Fontainebleau, Gray Malvoisie, Berger, Zinfandel, Muscatelle, and White Muscat of Alexandria Grapes. Dry Red Wine from Mission, Zinfandel, and Malvoisie Grapes.

CHAMPAGNE.

Port, Angellon, and Sweet Tokay,
BRANDY, VINTAGE OF 1871, 1870, AND 1869.

Pure Spirits from Grapes, Wheat, and Corn.
JAMES HENNESSY'S BRANDY, in bond or Duty Paid.

J. M. CURTIS;

Wine and Spirit Commission Merchant,
No. 434 Jackson Street



Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE.

39 17

SEEDS AND PLANTS BY MAIL.

During the last Session of Congress a bill was passed which curtailed very much the sending of Seeds and Plants by mail as it changed the Law which allowed sending packages of four pounds, and restricted to parcels of only 19 ounces. This act was so universally condemned that amendments and Letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, &c., at the old rate of 8 cents per pound.

RATES OF POSTAGE.

For Packages of Four Ounces, 24 Cents;
" " " Eight " 36 " "
" " " One Pound, 48 " "
" " " Four " 72 " "

It must always be borne in mind by all who send Seeds or Plants by mail, that every package must be done up securely and every package, Seeds, or Plants must be prepaid, these go in the Newspaper Mail.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, we shall be glad to see them.

THE GERKE WINE.

The Product of the Celebrated Hoenigs Vineyard, Located at Vina, in the Foot Hills of Tehama County.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that which is now offered being the vintage of 1868.)

And in order to safely guarantee its purity, is sold only in Rock Bottles bearing the Trade Mark, H. G. upon the Label.

PORT, SHERRY, MALAGA, REISINGER, MUSCATEL, ANGELICA, CLARET

are also Products of the same Vineyard, and sold in any desired quantity.

Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

The Wines from this Vineyard are pronounced by competent judges to be the best brands of California Wines.

HENRY GERKE,

418 and 420 Market Street, Cor. Sutter,
San Francisco, Cal. P. O. Box 942.
GEO. HAMLIN, Manager.

ALEXANDER EARLY PEACH

Probably no peach ever before claimed the attention of the public which was possessed of so unusual a promise of combined excellence and earliness as this. It ripens three weeks in advance of Hale's Early.

The Pacific Farmer, in issue of Aug. 3d, 1872, describes it as "possessing the good qualities that all fine peaches should have viz.: Large size, attractive to the sight, pleasant to the smell, and agreeable to the taste." "Chas. Dowling says: 'It is very handsome, the flavor rich and good, flesh thick and firm, will carry well long distances to market.'"

The editor of The Fruit Recorder says: "We believe it one of the greatest acquisitions in the peach line, ever introduced."

Wm. H. Prestello, of Bloomington, Ill., Fruit and Flower Artist, says "that he is satisfied it is one of the earliest and best of peaches," and that "there is not one who speaks of this magnificent peach that does it full justice as to its beauty of color. It is of a deep maroon shade, covered with the richest tint of crimson and BEAUTIFULLY DARK STRIPED—something very singular in a peach—changing towards the light side to a rich orange color."

Owing to the extreme severity of the past winter our stock of trees is quite limited. These we offer, carefully packed and delivered at express office here, as follows: 1st class trees, one year from bud, (with branches cut back,) at \$5 each.

Dormant buds, 1 c., budded stocks, six for \$5, or fifteen buds by mail for \$5. No orders taken for less amount than \$5. Remit by Post Office order or draft.

We also have a good assortment of other nursery stock. Send for catalogue. Address,
J. CAPPS & SON,
Mt. Pleasant, Logan County, Ill.

39, 22

G. GROEZINGER.

DEALER IN

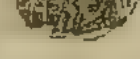
NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, Angelica, Etc.

Northwest corner of Battery and Pine streets,

SAN FRANCISCO



HOAG & CO.,

General Produce.

COMMISSION MERCHANTS

NO. 1200 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco.
R. M. WILLIAMS & CO., Export, Humboldt Bay.
CUTLER & BELCHER,
BANK OF ROMANA COUNTY, Petaluma.
T. G. WICKHAM & CO.'S BANK, Petaluma.
BANK OF SAN DIEGO, San Diego.
Cash advanced on Consignments and on Property in Store, 10 per cent. 38, 18

J. W. COPPAGE.

HENRY LANG.

J. W. COPPAGE & CO.,

COOPERS.

All kinds of Cooperage, on hand and made to order on reasonable terms.

REPAIRING, NEATLY DONE.

112 and 114 Jackson St.,

Between Drumm and Davis,

38, 19 SAN FRANCISCO.

COMMISSION

SALES-ROOM

Purchasing Agency.

Having had the experience of thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent for the grower, and to purchase, we will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall with all who send orders should be as explicit as possible, as to their wants—describing as minutely as they can—and when they desire our judgment we will do our best to suit them.

Our charge will be five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or bills could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our special business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following:

THE POTATO PLANTER.

JEBB'S PATENT CHURN.

CHEESE-CURD CUTTER.

PATENT WEEDING HOE.

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS.

Also,

TOBACCO SEED.

COTTON SEED.

COFFEE SEED.

TEA SEED

THE BEST KINDS OF

FIELD, GARDEN, FLOWER,

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

OF THE BEST KIND.

GREENHOUSE AND BEDDING PLANTS.

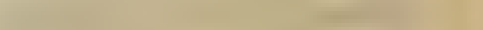
These are grown at our residence under our own care, where they always can be selected.

Any one desirous of having their Gardens look gay through out the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants as raising of Seeds, etc. Also respecting the mode and best system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.
A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.



TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments, only charging interest at the rate of 5 per cent. per annum. Freight at the chartered price paid the ship, Insurance and other charges at the lowest rate obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

J. G. MERRILL & CO.,

204 & 206 California Street,

38 15 SAN FRANCISCO.

POSITIONS AND PLACES WANTED.

We are constantly in receipt of Letters from the Eastern States, making inquiry for prominent places for competent persons as Head-men on Stock Raising Farms, Overseers on Ranches, Head-men to conduct a Dairy, or a large Poultry establishment. This shows that the various and large products that are shipped over the "Railroad" and by Steamers East, are attracting great attention, so much so as to induce those who feel qualified to act as Supervisors to desire to come to our State as a new field of operations.

As it is in our power to furnish both parties, the Employer and Employee, with what they desire. We advise all such to make known their wishes fully and confer with us.

WARREN & CO., FARMER OFFICE.

THE CALIFORNIA FARMER.

SAN FRANCISCO.
THURSDAY EVENING, SEPTEMBER 18, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

220 Clay Street—Marble Building—Up Stairs.

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Examples of all productions—Grains, Fruits, Models, Inventions, Minerals, and specimens in Natural History imperishable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiousness interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Roman type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This is believed to afford the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

J. M. PETTINGILL & Co., 10 State Street, Boston 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall give our attention to such articles in each issue of our journal, to which we would direct their special attention.

OUR NEW VOLUME.

We XL upon entering our Fortieth Volume, and think we can claim title to XL for our Faith has been excellent to carry us on for Twenty Years.

Our Home Department will offer our readers a great variety to instruct, to amuse and to edify. Clara Atherton furnishes again a very happy and interesting Letter. How to Tell Shoddy and Living for Show, point a moral of value. Our Poets Corner, has also lines worth reading and remembered.

Our European Letter gives very important and reliable information of the Grain Crops in France, also valuable information relative to the action of the Government in aiding Agricultural Schools and Students, and the Stock Disease, &c.

Our New York Correspondent comes again with his interesting Letters of Long Branch and its surroundings. Mr. Sarle's Letters are always welcome to a host of his friends here who read the FARMER.

Our Agricultural P is valuable for Stockman, and all who have the care of animals. The Prophecy on 7th page should have a reading for its great and remarkable predictions.

The Wine Exhibition at Vienna has much to interest our Vineyard Men as showing the great interest they take in these Exhibitions in Europe. Complimentary, to FAIRS.

We return thanks to Pres. Loucks for Complimentary Card to the Fair of Contra Costa County, Fair at Pacheco, Sept. 22d to 26th.

We return thanks to Secretary Porter for Complimentary Card to the Fair at San Jose, of Santa Clara County, Sept. 23rd to Oct. 4th.

We acknowledge the receipt of a Complimentary Card of Invitation to the Fair of the Upper Sacramento Valley Society, which takes place on the 22d to 27th at Chico. We return thanks for the courtesy.

We acknowledge the reception of a Complimentary Ticket to the Petaluma Fair, from the Officers of that Society for which we return thanks.

GREAT FAVORS—DULY APPRECIATED

We must express our grateful thanks to many New Subscribers, who have sent in their names and their subscriptions to our Journal voluntarily, such favors are of double worth, kindness in them, and kind encouragements to us in our labors—for these favors we are indeed grateful.

We also feel doubly grateful to those who meet us at our Fairs and renew their Subscriptions, and make "All Right" voluntarily.

SANTA OLARA FAIR.

The coming Fair at San Jose promises to be more than ordinary interest this season, the many improvements made at the Fair Grounds, show to great advantage, and to the credit of the Society, as well as for the convenience of the Exhibitor and benefit of all the animals shown.

The Society's announcement will be found in our Columns.

OUR NEW VOLUME.

With this Number we open a New Volume, with this Number we commence our Fortieth Volume of the FARMER, and we look back over these long years of hard labor in the cause we have been engaged in, and can say with true pride,

"We have not labored in vain."

Twenty-one years ago, the First Agricultural Fair in this State was opened in the city of Sacramento, in November, 1852, the Seed was planted, which has grown in a goodly form, to a stately tree, as was witnessed by the Fruit of it at the Fair this year at Sacramento.

From that First Fair the Journal has labored to advance the Great Interest of Agriculture, and we can now rejoice most earnestly in witnessing, as we did this year, the great success of this cause, as evinced by the rich Products shown at the State Fair.

There were a goodly number of Sacramentoans and others, who well remember the "Stock Parade" in 1852, and that as the cattle passed through the street little dreamed of the Ozaux Race, that would be seen Twenty Years later, the Little Blue Badges of '52, have increased nobly as the Stock exhibition of this year has so satisfactorily shown, and we can look back and find many of our Old and Honored Subscribers still with us, whose names and presence we greeted at the Fair this year, can look back and see how Grand the Harvest to our State and people, has been, by the early beginnings of those days.

We cordially join and greet our Old Subscribers and Honored Friends as we enter our Fortieth Volume, and we can say—"We Still Live," and hope to live and greet them with this Pioneer Journal or Agriculturist many years more, that we all may see the great Prosperity which is yet to come upon California, the

"GARDEN OF THE WORLD."

Our New Prospectus will be found in our Columns this week, we look to our Friends for their Generous Co-operation.

We return our most grateful and heartfelt thanks to those kind Patrons who for Twenty Years have continued their generous aid, and also to those of our Contemporaries at home and abroad for many kind words and deeds.

THE STATE FAIR.

This year has given to our State Fair a Grand Success in all the departments. Stock of all kinds has been of a higher type, all excellent—no poor Stock shown. Never before has California made so good a display, it has equalled many of the Older States with this year's display.

The Exhibition of Fruit and Flowers, Wines and Preserves, has never been excelled for quality, all select.

The Vegetables and Grains and the Dairy display all good.

The Machinery Department and Agricultural Implements, all of an improved character, the Plowing Match well attended and better work.

The Art Gallery not so large, yet some fine evidences of skill.

Fancy work and miscellaneous exhibit large and showy.

The attendance at the Fair and Stock Grounds were the largest ever had at a Fair, and a more general satisfaction expressed than for many years.

The Addresses by the President, by Hon. A. A. Sargent, and by Prof. E. S. Carr, had large attendance, and were received with satisfaction.

This is only our brief of the State Fair, we have taken full notes, the Reports in detail in our next, as we shall Report Fairs in the order in which they are held.

THE HARVEST RETURNS.

Whatever may have been said of the Short Crops of this year by the "Press of the State," we think they will all be satisfied now that the Harvest of 1873 will prove much larger than was expected, and more satisfactory in all results as to price.

Already as much Grain has gone abroad as was sent last year up to this time, and the Grain keeps rolling in, and go where we will the country is full of it, the wharves at Vallejo, at Oakland and at Stockton are loaded with Grain, and at those places the Warehouses are full also. It is now stated that there is now at Stockton Thirty Six Thousand Tons, and a continual stream still coming in from the country around the same, stream can be seen on any and all the lines of our Railroads everywhere—this is as this Journal asserted it would be months ago, and we have never changed our views, we knew of what we asserted, and our prediction will prove correct.

The Farmers of this State have good reason to be thankful for their especial good fortune in the high price that now prevails for all kinds of Grain, and we might add almost all kinds of Produce also.

All the leading crops are now paying well, Grain, Wool, Wine, Hops, Hides, Leather, &c., and our Exports continue large, thus enriching our Farmers and our State also.

We are compelled to defer our usual full notice of crops during Fair Times, in order that we may attend as many Fairs as possible and report from personal observation.

OUR STATE'S BUSINESS.

The Freight Cars yesterday for the East, carried away as follows: Three car loads of Wool, two car loads of Wine, one car load of Hops. These are California products. They also carried away nine car loads of Tea, just arrived from China, five car loads of Coffee from Central America and Java.

The cars also brought into our State, viz: Sixteen head Ayshire Oattle, ten Durham Oattle, and sixty Spanish Merino Sheep, all imported by L. J. Orphan, Esq., from the East. They are on Exhibition at the State Fair Grounds.

We also add that three car loads of Immigrants came along—this is the Best Stock California can have just now.

OUR ANNUAL FAIRS.

THE NAPA AND SOLANO FAIR.

The Fair composed as was announced last week, and under more favorable influences than the Fair of last Season, this was the result of very earnest exertions made in its behalf by President Morris, and the Board of Managers, and some of its most efficient Contributors of "Stock" and Farm productions.

The Annual Address was delivered by the President, Mr. M. Governor Morris. It was a very able and practical Address, one if followed will do good.

During the Fair, W. A. Smith, Esq., of Napa, delivered a very interesting Address in behalf of Grangers—but the moving about in the Hall during the delivery prevented all but a few from hearing the speaker at all.

Agricultural Addresses should not be delivered in the "Hall of Exhibition" all who wish to hear Addresses of this kind will always go where they are delivered and enjoy them, others that come to see the Fair—cannot be kept quiet, they pay to see the Fair, not to hear the Address.

The Exhibition of Stock at the Grounds was very creditable indeed, the "Horse Stock" being the largest as usual, but we were pleased to see a goodly number of Horses of all Work, and Roadsters, and practically useful animals—we want more practically useful horses and less for mere Racing.

The Stock of Sheep, Swine, Poultry, &c., was very creditable to the Exhibitors—we give the principal Stock shows.

CATTLE AT STOCK GROUNDS.

Fieros Bros. exhibited some very fine Durham Stock, a Cow and Calf, and 2 young Calves. Cannon & Staples, of Solano, had 4 Pens of Stock, a large fine Durham Bull, named "Perfection," 5 years old, of immense size, a fine Durham Calf and fine Grade Stock.

Wm. Fleming exhibited splendid Devon Stock, we noted Cow Victoria, Calf Mary—excellent. J. M. Thompson, of Sausal, exhibited a Bull, "Gold Dust," 16 months old, a fine Durham, also some good Grade Swine.

L. Pierce exhibited Southdown Sheep—very fine, full blooded, also full blood Shropshire Sheep and the same kind graded.

J. M. Thompson, of Sausal, exhibited 3 Pens of very fine Southdown Sheep—true species.

E. Frisbie of Vallejo, exhibits 3 Pens Leicester—very large and fine.

PORCINE.

R. S. Thompson, of Napa, made a fine show of Pure blood Berkshire Swine, 45 in number, a superior lot, true and fine form the finest lot ever exhibited in this State.

Mr. Thompson's exhibit gave him great credit, the young Pigs were remarkable fine—the sows were from small pigs up to those weighing 499 pounds—this stock bears the marks of purity of breed and of great excellence.

James A. Hill, of Sausal, exhibits 4 Pens Spanish Merino, of great excellence, also 2 Pens Graded Merino, these Spanish Sheep clipped at 13 months 20 lbs. heavier—this is the kind to buy.

R. A. Branton had 4 French Merinos and 2 Pens Grades.

O. Bingham, of Vacaville, had 3 Pens Fine Spanish Merino's and one of Grades.

E. Frisbie, of Vallejo, exhibits Graded Swine—good.

POULTRY.

E. Frisbie also exhibits a large and fine collection of Poultry, White Dorkins, Houdans, Black Spanish, Poland, Partridge Cochins, Light and Dark Brahmas, Buff Cochins, Silver Hamburgs, Light Bantams, Broke Turkeys and Roman Ducks.

J. B. Carrington, of Denver, showed Light and Dark Brahmas, Houdans, Golden Poland, Partridge Cochins, Silver Poland, Black Legged Phœnixes, Silver Poland, Bantams and some Silver Fleece Angora Rabbits.

HORSES.

The Exhibition of Horse Stock was very good, this district claims the fame of having some of the Best Blooded Horses on foot. We give a portion only, as our space will not allow all the list on exhibit.

Norfolk.—This famed Horse now aged 12 years is always looked for as one of the best Horses ever shown on the Turf—a Pennant Horse. Theodore Winters, Esq., his owner and exhibitor, may well be proud of him.

T. Winters exhibited "Bonita"—a superb creature.

Lodi.—Here is a noble animal ranking as the male of Norfolk as this animal for all to say Norfolk and Lodi. This Horse is now 13 years old, and yet Lodi is in his prime. Nathan Coombs Esq., can well feel proud of Lodi.

Wm. Fleming exhibits two very fine Horses of the "Taylor" Stock.

Wm. Woodward exhibited a fine pair of Carriage Horses "Eugene Casserly" and "May Queen"—fast Trotters, and beautiful, easy goers. Mr. Woodward also exhibited his splendid Horse, "Napa Dexter."

Mr. Gatherwood, of Napa County, exhibited a splendid pair of Brown Horses—a superb pair of Carriage Animals.

N. Coombs, of Napa, showed his fine Pair of Horses, "Primo and Ruth Ryan," also Kels Tobin, Myrtle and Biko, all Thoroughbreds, sired by Lodi.

John Wilson, of Vacaville, made a fine exhibit of Horses, his "Clydesdales," "Black Prince," "Maggie," and "Pass," also "Gladstone," a known and famous Roadster—his Flora, and Kitty Clyde also—both fine animals, 3 and 4 years old.

S. H. Callender, of Vallejo, exhibited a fine Animal, "Bill"—a Morgan Horse.

John Callender, of Vallejo, showed "Jim," now 17 years old, and for 13 years a noted Baggy Horse, at even his good old age—standing the young ones.

Orvin Wentworth exhibited "Billy Morgan," 4 years old—a large and fine Stallion.

T. F. Hooper, of Collinsville, had three fine Horses—Grade Stock, all large, fine animals, especially showing good breeding and care: A. L. Chapman, of Sausal, exhibited some Grade Stock, good quality, a fine Colt, 4 months old, called "Lady Norfolk," sired by Norfolk—a splendid Colt. Also a noble Jack, called "Gray Eagle," valued at \$1500—solid and fine animal.

John North exhibited his noted Horse "Glide," 16 months old, 15 hands 1 inch high, weighing 975 pounds, sired by Telegraph. Glide's Dam was sired by Cosmo—Glide is a fine animal, well put together, will prove a noted animal. Theodore Winters exhibits a fine young Stallion, 1 year old, sired by Norfolk, out of Marquarito.

Mr. Safety, of Ollistoga, exhibits a fine animal 4 years old, sired by Peacock, out of an Emigrant Mare, also other Stock of fine character. Mr. Rogers exhibits his Horse Prince.

There was some other Horses, but it difficult to find owners and obtain items, the Track was the chief place of attraction.

The whole Stock Show however was very creditable.

EXHIBITION AT THE HALL.

The Exhibition of Fruits, Flowers and Vegetables, were highly creditable to the Exhibitors and to the Counties of Napa and Solano.

We took special note as follows:

FRUITS.

From J. M. Thompson, of Sausal, was a very fine Collection, covering one entire long table which numbered 145 varieties of Apples, a very complete Collection, many very choice specimens, among them several Seedlings of superior merit, also new Southern varieties, among these mentioned the St. Lawrence, Residence, Nix Green, Large Luke, &c. Mr. Thompson also had 91 Dishes of Pears—a great variety—many splendid specimens, also 3 Dishes of Plums, 2 of Quinces, 1 of Nectarines, the whole making a grand show.

R. Brownlee, of Sausal, exhibited 17 Dishes of Grapes, a choice collection, very worthy, also 2 Dishes of Seckle Pears—large and fine.

I. M. Thompson, of Napa, exhibited 19 Dishes of Grapes—very fine, 6 Dishes of Almonds, 1 of English Walnuts, 1 of Horse Chestnuts.

E. R. Thorpe, Pleasant Valley, displayed 22 Bunches of Grapes very large and superior—the varieties were, Flaming Tokay, Black Morocco, Chasselas, and Muscat of Alexandria, also 6 Dishes of Peaches, 2 of Pigs, and 1 of Vegetable Eggs (new and curious). The Peaches were Seedlings and superior—large and handsome.

H. T. Parker, Yaca Valley, 9 Bunches of Grapes, Tokays, and Black Morocco—large and showy.

M. R. Miller (Ex-Pres. Society) of Pleasant Valley, made a varied and handsome exhibit, viz: 6 Plates of Grapes, all large Clusters, the largest over, 6 lbs., Syrian, also 4 Clusters of Seedlings—very promising, also Black Morocco and Tokays, very fine, and 2 Dishes of Pears, and 4 of Almonds—the Almonds, Seedlings and very excellent, both Paper Shell, Soft Shell and Hard.

Mr. Miller also exhibited fine Box Raisins made from Cannon Hill Muscat Grape—very superior of which he has made this year 500 lbs., and has made 20,000 lbs., of Raisins from White Malagas also.

Mrs. W. M. H. Naat of Napa, exhibited 44 Dishes of Apples—a very fine collection—many extra fine.

Henry O'Neill, of Green Valley, showed 14 Dishes of Apples—a fine collection, 2 Dishes of Pears—extra, Flemish Beauty, and Duchesse D'Angouleme, also 2 of Grapes of the Queen Victoria truly splendid.

George Reeves, of Sausal, showed 22 Dishes of Apples—fine varieties and fine samples.

Mrs. R. E. F. Moore, of Napa, made one of the best displays of Fruit at the Fair, viz: 28 Dishes of Apples, 22 of Pears, 15 of Peaches, 6 of Plums, 4 of Nectarines, 1 of Almonds, all the Dishes of Fruits were fine specimens, and the whole a very worthy collection.

Hill Logan, St. Helena, exhibited 38 Dishes of Apples—a very fine lot of Samples, 24 of Pears, 5 of Peaches, 4 of Plums, 2 of Quinces, 2 of Almonds, 1 of Pomegranate Melons, 9 of Dried Fruit (very fine) and one of Hops, the whole a good collection.

John Dewelling, of St. Helena, showed a fine collection of Fruit, viz: 40 Dishes of Apples—very fine specimens, 55 Dishes of Grapes, this was a specially fine collection, many extra, as were the Apples, 5 Dishes of Pears, 2 of Almonds and 1 of Plums—an admirable exhibit.

The whole Exhibition of Fruit made at this Fair was the Best made since this Fair was organized.

FLOWERS.

The Union Nursery made a fine display of over 150 different varieties of Plants, many new Variegated Plants and many very choice kinds.

Mrs. Dr. Frisbie Exhibited on a Pyramidal Stand a fine collection of 50 Pot Plants, the whole were choice varieties and of the best Species, Fuchsias, Colons, Begonias, Agapanthus, Amaryllis, Hydrangea Variegata, Aloe Var, Cactus, choice kinds, Gloxinias &c.

Mrs. Frisbie displays excellent taste and judgment in her selections, and the Plants denote excellent care, it is of an enthusiastic and devoted amateur and lover of beautiful Plants, the collection reflected great credit to the Exhibitor.

J. M. Thompson, of Napa, showed a fine collection of cut Flowers, Dahlias, Gladiolus and Pansies.

PRESERVES.

Mrs. E. Frisbie exhibited 4 Jars of Preserves, and also Dried Fruits—all excellent.

Mrs. R. E. F. Moore exhibits Choice Preserves, Mrs. Alexis W. Brown shows a Jar of Wax Flowers—very fine.

Mrs. J. F. Wellston exhibits a Case of Lilies of

Wax—fine, also a collection of Lilies, Preserved Fruit, Crackers, Ice Creams, &c., represented in Wax—all fine and very creditable.

VEGETABLES.

Edward Frisbie made a very large and excellent display of Vegetables, comprising every kind of complete assortment, filling an entire table 20 feet long, a large Beet about 100 lbs., Mammoth Squashes, &c., a most creditable display showing he is a large and a good cultivator.

J. M. Thompson made a fine exhibit of Vegetables, a large assortment—all choice, also Melons—fine.

W. H. Naat, Maganola Farm, in Napa Valley, Potatoes, Squashes, Melons—all fine.

Geo. Eassey, of Sausal, showed Dent Corn—good.

Mrs. R. E. F. Moore, showed Pumpkin Squashes, &c.

Hill Logan exhibited a lot of Vegetables.

GRAIN.

J. M. Thompson made a very fine show of Grain, to Wheat and Olean Grain, there were 17 splendid Sheaves, 3 Bags Clean Grain, Egyptian Corn, &c.—the best showing of Grain this year.

Wm. Middleton, of Sausal, showed Grain in sacks, Mullen & Abernethie, also Grain in Bags—all fine.

MISCELLANEOUS.

M. C. Hawley & Co., exhibited Farm Wagons, Plows, the Challenge Cutting Mill, Hay Outlets, &c.—the only exhibit of Farming Implements.

D. L. Henderson, of Vallejo, 2 Carriages and Wagon.

Joseph Pettitt exhibited the Grant Family Shear, made by Yeaman & Chapman, of Olynth, Ohio—most admirable Shears for Orchardists.

Vallejo's Barrell Factory, Charles Krantz, Proprietor, exhibited a collection of very fine wren Barrels, half Barrels and Kegs, highly creditable.

Hill Logan exhibited a Case of Coins and Curiosities—the Case itself creditable work.

LADIES' DEPARTMENT.

Mrs. Massey, of Vallejo, a large collection of Fancy Dresses, Millinery, &c.—a showy collection. Mrs. Dannebaum a fine collection of Fancy Goods.

Smith Brothers a collection of Shoes.

A numerous variety of Paintings, Drawings, &c., Quilts, &c., by various Exhibitors, all added to fill and decorate the walls of the Exhibition Hall.

W. H. Tripp, made a grand exhibit of his specimens of Penmanship and Drawings.

A Case of Embroidery, Needle Work, &c., Games of many kinds of handsome work was shown by Mrs. R. E. F. Moore, of Napa, this lady giving evidence of her interest in all departments.

A liberal exhibit of Bread, Cakes, and Pies was made by R. E. F. Moore, of Napa, and of superior quality, as we know by the eating them with a good relish.

THE RAILROAD WAR.

"THE BEGINNING OF THE END, OF THIS WAR."

The Elections are over, party lines have been broken, old platforms put under foot, and the grand admixture of various elements have succeeded in accomplishing what the parties opposed to Railroads believe will be the overthrow of the "Great Monopoly."

Our opinion however is that many will feel themselves in the condition of "Sancho Panza" when he made his attack upon the "Windmill," that the Windmill can strike back, and we lose our guess. If many persons do not find before this warfare is ended that they have placed themselves in a bad position, and that in Scriptural Language "It is hard to kick against the pricks." All those who have been decrying the Railroad Company, may soon learn that when many thousands of laborers are thrown out of employment and public enterprises stop, that their own business will suffer by this wicked and unjust warfare against the Railroad Company.

The Managers of the Railroad have borne patiently for a long time the most vile abuse, and the most libellous slanders and now that the position show their colors the Managers show no fear, and will act in self-defence, and if the slope of all the new routes in contemplation and the new employment of ten thousand workmen does not make traders feel the difference, we lose our guess.

The late Elections instead of being a victory over what was called "Monopolies," will prove a most disastrous defeat of many public enterprises as well as a hard blow to business prosperity, and those Newspapers that have been decrying the Credit of our Great "Railroad Enterprises" may soon find that what they called Victory will prove their own great injury if not destruction.

"They that go to the wind, shall reap the whirlwind," this saying should warn all those managers of the Railroad Managers, to look out for the coming storm they have raised.

POULTRY WORTH PURCHASING.

We call special attention of all who desire to secure a stock of Pure Stains of Poultry to the New Announcement of C. W. Wilson, Esq., of Oakland, who offers a large Stock of Poultry, the choicest kinds, such as can be guaranteed as of the best yet imported into this State.

Mr. Wilson prides himself as having some of the rarest kinds imported and for sale, although all the varieties are Pure Stains.

Mr. Wilson has the Brown Legged Leghorn—beautiful Poultry—the only one in the State. Mr. Wilson can claim high merit for his Bronze Turkeys, his Ducks, and others as named in his advertisement which merits the attention specially of all purchasers. We can particularly commend them.

MORE AGRICULTURAL FAIRS.

The next week as will be seen by the lists in our Journal, that Fairs are to be held at Pacheco, at Stockton, and at Chico—three Fairs in one week—let all attend that can. Every effort will be made by the Managers of each place to make good Fairs, and make them pleasant and agreeable to all that attend.

MEET US AT THE FAIRS.

We shall be truly grateful, and esteem it a special favor if our Patrons will meet us, and make themselves known to us at the Fairs, as we are desirous to secure all the information possible—our Patrons can do us a great favor by furnishing us all the items they can of interest in the cause of Agriculture and Stock Raising, they can also receive from us something that will fully recompense them for the interest they take in this matter.

AN EXAMPLE OF WHAT ONE WOMAN CAN DO.

It will be seen by our Reports of the Napa and Solano Fair, that Mrs. R. E. F. Moore made a handsome exhibit in all the Departments of the Fair, a large collection of Fruits, also Jellies and Preserves, Vegetables, Breads, Cakes, Pies, &c., and also a Case of Needle Work, &c. These labors and accomplishments are all the work of her own hands—here is an example worthy of imitation.

New Advertisements.

SANTA CLARA VALLEY FAIR.

THE FOURTEENTH ANNUAL FAIR OF THE SANTA CLARA VALLEY SOCIETY

Will commence on Monday, the 29th, and continue Six Days

THE PREMIUM LIST

will be found to be of the most liberal order. The Grounds of the Society are as fine as any in the State, while the means of accommodation for stock are equal to any Association save the State Fair Grounds.

THE HALL OF EXHIBITION

in San Jose, will be ready to receive Articles for Exhibition on the 27th, and it is hoped all exhibitors will be prompt and in season.

The Officers of the Society will be at the Rooms and Grounds with appropriate Committees to receive and give positions, and to do all in their power to make a good and creditable Fair, and they look to the citizens of Santa Clara County to sustain them in making this Fair creditable to the County.

W. C. WILSON, President.

T. J. PORTER, Secretary.

EUREKA POULTRY YARDS,

Corner Alice and Fifth Streets,

OAKLAND, ALAMEDA CO.

E. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly mated for breeding, at the following low rates:

	Per Pair.	Per Trio.
Light Brahms.....	\$10.00	\$15.00
Dark do.....	12.00	18.00
Buff Cochins.....	12.00	18.00
White do.....	12.00	18.00
Black do.....	12.00	18.00
Partridge do.....	15.00	25.00
Houdan and White Leghorns.....	10.00	15.00

ALSO

Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Cranes. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch in Patent Safety Packages from all the above breeds at \$5.00 per Dozen. Two Dollars to any address for \$10.00 Satisfaction Guaranteed in all cases.

Mammeth Bronze Turkeys, Bred from First Prize Imported Stock weighing 64 pounds to the Pair. Will spare Cocks at \$30.00, Hens at \$15.00, Trios at \$45.00.

Parties wishing Birds for Exhibition, will do well to correspond with me and ascertain special rates. Birds imported as Commission. Please send for Circular and Price List. Address P. O. Box 1874, San Francisco, Cal.

Please state where you saw this Advertisement.

40.1

Worth and Beauty.

Wood's Household Magazine

AND THE CHROMO

YOSEMITE.

Having control of the magnificent Old Chromo, YOSEMITE, we are able to offer a combination of literary and artistic work of great worth, and at prices unprecedented. This fine copy of the picture of Nature's grandest work, is presented in the most useful style—in dimensions, 11x13, making a picture of very desirable size, in use.

AN ORNAMENT TO THE ROOM.

But few copies of this beautiful Chromo will be allowed to go to the retail stores, and these will be sold at their

ACTUAL RETAIL PRICE, \$6.00.

while offered in connection with our Magazine, both will be furnished for

\$1.00.

As a Premium the picture may be obtained by sending us

two subscriptions for our Magazine at \$1.00 each, or by subscribing for the Magazine two years in advance, at \$1.00 per annum.

WOOD'S HOUSEHOLD MAGAZINE,

NEWBURGH, N. Y.

8 E. SHUTES, Publisher.

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HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE

Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amazon Insurance Company, Cincinnati, Ohio.....	\$1,124,000
Atlantic and Pacific Insurance Company, Chicago, Ill.....	250,000
Girard Insurance Company, Philadelphia, Penn.....	655,000
Kansas Insurance Company, Leavenworth, Kansas.....	239,000
National Life Insurance Company, of U. S. A., Washington, D. C.....	1,235,000
New Orleans Mutual Insurance Association, New Orleans, La.....	1,475,000
North Missouri Insurance Company, St. Louis, Mo.....	1,235,000
Penn Insurance Company, Philadelphia, Pa.....	285,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.....	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS,

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No. 314 California St. San Francisco, Cal.

FISH BROS. & HUGGINS

"PACIFIC WAGONS,"

FARM,

QUARTZ, AND
HEADER WAGONS.

THIMBLE SKIRM,

IRON AXLE FARM
AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glaza, Geo. W. Hogg, Gumpson Bros, Jacinto; Hill & Knaugh, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Balbach & Co., Agents for San Jose; Smith & Baxter, Agents for Gilroy; S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. T. Case & Co. 48-inch Cylinder Threshers.

39.1 8;

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural cut stone, fire-proof and enduring

ASHLERS, COPING, STEPS,

MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fountains, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Ties, French Grey, etc.

Artistic and Builders are particularly invited to examine our Stone and Prices before ordering any building material.

JAMES GAMBLE, President.

R. WOODER, Secretary.

Office, 414 California Street.

Office and Works, 414 California Street, bet. 4th and 5th.

39.21 V. CHESING, General Superintendent.

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A FINE HOME FOR SALE.

A very fine located Farm of 105 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Bushels of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bug and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly.

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HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS.

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

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NEW AGRICULTURAL WAREHOUSE.

The undersigned take pleasure in calling attention of the Farmers and Cultivators of the Soil to all departments of Agriculture in the "Great Sacramento Valley," and the region around it to the Large Stock of

AGRICULTURAL IMPLEMENTS

which they are now opening in the Spacious Warehouse on J STREET, SACRAMENTO, formerly occupied by Treadwell & Co

It will be the aim of the undersigned to offer the Largest and Best Stock of Harvest Implements and other Goods shown in this section of the State, and to offer no implements but the Best, and endeavor to give satisfaction to every Customer and Patron of our House.

We offer the following:

EXCELSIOR MOWER

MOWER AND REAPER COMBINED, IRON FRAMES!

SIX HUNDRED SOLD IN THIS STATE DURING LAST SEASON

It also took the First Premium in this State at the State Fair of 1871.

This truly celebrated Iron Frame Machine, stands as far ahead of all others (the BUCKEYE included) as science, skill and careful study can reach with improvements. Farmers in every section of this State give the preference to THE EXCELSIOR over all other machines on account of Cheapness, LIGHTNESS OF DRAFT, being better adapted to California work, and from its simplicity does not get out of order.

The Hay and Grain Harvest will open early this year. Examine carefully and purchase wisely.

The Excelsior Side Rake and Excelsior Dropper.

EVERY MACHINE WARRANTED, OR THE MONEY REFUNDED

Genuine Haines Header, improved for 1873. Huber Reaping Knives, simple and efficient in their work. Wheel Hakes, Hand Rakes and Forks

Every description of Agricultural Implements. Meritt & Kellogg's TRACTION ENGINE, and The VIBRATOR Threshing Machine, the Cheapest and Best Machine in the world.

The Famed BRASS BEARING WAGON, now becoming very celebrated as one of the best offered, and promising to supersede many kinds now sold.

This excellent invention is known as Clapp's Brass Bearing Wagon, the axle being shrouded with brass plates runs easier and with less friction than any wagon known.

We also offer other Wagon of the best make of Iron Axles.

Merritt & Kellogg's Self Propelling Threshing Engines, one of the Best Inventions of the age.

THE JOHN DEERE MOLINE PLOWS.

This Plow has become justly celebrated over the whole United States as one of the Best Plows known, also The Colvin's Plow (Smith's Patent)

Graham's Broadcast Seeder and Cultivator, a very popular implement.

We invite special attention to the immense Stock of implements we are now opening, as we mean to suit all our Customers for all their implements.

EXTRAS—Always a full supply on hand cheap, but fewer needed for the Excelsior than any other machine.

KELLER & CO.,
43, 45 and 47 J Street, bet. 3d and 3d,
Importers and Dealers in Agricultural Implements.

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Home Miscellany.



IN THE SUNSHINE.

There came into my heart to-day
A sweet dream of the olden time,
When youth's immortal road lay
Was sung in many a ring of rhyme.
The rosy cheeks and eyes again
The old days, lit with love and light,
They came back like the soft refrain
Of music in a summer night.

Remember that, dear love, the time
When hope was like a crown of light
That blazed within a magic flame
Where shadows dim'd the light
Alas! and still, sweet heart, alas!
That summer days like life hope fly,
And memory, like a wizard's glass,
But shows us glorious shapes that die!

Gold clouds sail on the summer sky,
The bright brook like a dream flows by,
The sunbeams on the hill-top climb,
It mingles of a bygone bliss.
The golden age, a well-worn way,
When many a time as sweet as this,
Beneath the clime we kept our trust!

It breaks my heart to think how rare
Doth bloom the youthhood of our lives,
Doth make us doubt and then despair,
And chain our souls with sighs.
Ah! he who keeps the heart to sing,
And whom no cares have stricken old,
Is richer than a scepter'd king,
With all his princely wealth of gold!

So dreaming in the meadow lone—
The meadows brightly green and gold—
A spirit from the heaven above
Did weave in dreams the time of old,
When life was but an untold way
And roses bloom'd where youth pass'd by,
Ere we had learned that hopes decay,
That summer flowers bloom—and die!

"WORK FROM THE SOUL."

Work bravely and heartily now,
In the light beams of glorious day,
While the current of life in your veins
Runs its course. Oh work while you may!
For soon the dew-knight
Will her clouds spread around;
Who would happy be 'round,
Must work in the light.

Work heartily—not as a slave,
But as if you were at the oar,
And buffet the surf till at length
You arrive on its opposite shore.
The heart that forces toil
Is buoyant and free,
As the waves of the sea
When the tempest they blow.

The Father of all glances down
On his sons as they strive in the race,
Upon all, first and last, he bestows
His looks of supple grace.
Go on then in faith,
All that you will must win;
To fail were a sin,
Or to leave the good path.

The souls of the dead look to see
Their brothers who labor in life,
Well know they the battle of life:
Even now they rejoice in the sight,
And the sun from their eyes
Fills the ether with fire,
Heaven can tire
When such powers bid him rise.

Behold the bright crown of the brave,
How it glitters above in the sky!
He that can not die of the grave,
Who sets his affections on high,
Should discern a light
In the depths of your breast,
Look up to the light,
See your crown—and then work.

SONS OF RICH AND POOR MEN.

Independence and decision are among the qualities essential to success. But independence can arise only from a consciousness of ability to care for one's self; and that consciousness results from a practical education and a frequent reliance upon one's own resources. Also, decision of character is developed by such conditions as require one to choose between important alternatives—to mark out his own course and pursue it undisturbed in the face of all obstacles. Now, a rich man's son learns to depend on his own wealth. On account of his riches he is surrounded with many advisers and flatterers. From selfish motives, others are eager to think, act and plan for him, and it is long before he learns to trust himself, for the simple reason that it is seldom necessary. But the son of a poor man is thrown upon his own responsibilities. His friends expect no profit from him, and have enough to do to take care of themselves. He is left to form his own estimate of his powers, to mark out his own course, and pursue it if he pleases. Early in life he learns the value of a good education, and strives to obtain it. He knows that he has only that and his own unaided strength in which to trust. He soon finds that mere strength, without education, is of little avail, and thus develops his whole energies to fitting himself for his contact with the world. Thus, when he comes into contact with real life, he is prepared for the struggle and usually succeeds; while the son of the rich man, weakened by the fatal influence of idleness, can at best hope merely to stand still.

Heald's College Journal.

Home Correspondence.

FACTS AND FANCIES.

BY CLARA AYERSTON.
NUMBER THREE.

"Facts and Fancies" are the prose and poetry of life. Imagination can extend its existence far back into the dim and shadowy past, or forward into the quiet and uncertain future—sometimes with an almost prophetic glance. Tell me not that it exists for the practical duties of life, it harmonizes what would otherwise be discordant. It is like some exquisite melody, soaring above the deep soul-stirring harmony.

Oh, when the heart bleeds and the head bows in agony, imploring strength to bear its heavy weight of woe, then faith and hope whisper comfort, and through our tears we discover the bright rainbow of peace hanging high over the dark clouds of despair. When in the darkness of night we rest securely in the arms of Him who "Giveth his beloved Sleep," then fancy leads us in dreams amid scenes where "bright angels' feet have trod." Heaven has endowed us with this faculty in mercy. It is true that the highly imaginative have seasons of sadness and depression, but the sunshine is in the heart still, though a passing cloud has obscured it. I do not mean that sickly, sentimental fancy, as that which forebodes and broods over imaginary evils; it is worse if possible than dull disagreeable facts.

Nor should we always revel amid the sublime and beautiful. Fancy would soon become wearied if she ever rested her wings. She loves to play around the everyday realities of life, making many an unpleasant fact endurable by her bright flashes of wit and humor—Reason must keep the throne and maintain her dignity, but let fancy roam unfettered in her own legitimate realm.

However, Mr. Editor, I know you are thinking that "Fancy" has held the pen long enough for this time. Reason should take it and give a few "Facts." Well, then, I have been out to the Pacific Coast with a small party to day. Now, so many pens have described that place that I could only repeat those facts, but I am very sure that the public has no idea of the difficulties we had in getting ourselves together, and fairly started on the road, so I am going to tell you my lady readers all about it—the gentlemen reader may light his cigar and take it into a tobacco trance, or turn to another page just as he likes of course.

Our party consisted of five ladies and three gentlemen—one was a sea captain, and as he was at leisure, it devolved upon him to help us off from the house. The other two were an Editor and a Doctor—we were to walk to the Doctors' Office and take the street cars to another point where the Editor was to join us. They had no time to waste and thought it was best to be sure that we were all ready before joining the party. The Captain came bright and early—we were not ready—he declared that we had more talk and uncertainties over our lunch basket than he ever had getting his ship loaded.

At last we were ready (or thought we were) and in the hall, I wish my Eastern friends could have seen us dressed in our cloaks, each with a heavy shawl on her arm they would have thought we were starting for the North Pole. The Captain's brow had just begun to clear, when I discovered that I had but one glove, went to hunt for it, when one the ladies found that she had two gloves in one hand and one on the other, so it was not my fault after all. I looked at the Captain, and he looked as if he would like to use some sublime language. When within a block of the Doctor's Office, one of us suggested that we ought to have some interesting book along. Immediately two of the party threw their big shawls over the Captain's arm, and started back. I called to them to go to my room and get my thick veil, and look in the parlor and find my pocket-handkerchief, I must have dropped it there somewhere. Mrs. R. called out for them to go to her bureau and get the opera glasses for us to look at the seals with—if they found the bureau locked they must hunt for the key, it was somewhere about the house. The Captain could not realize that we were in earnest until they had turned the corner and were out of sight.

It was amusing to see the evident amazement on that man's face, most of the gentlemen take such proceedings as a matter of course, but our sailor Captain whose "word was law," could not comprehend such "management" as he called it. We were quite a little distance from the house, consequently we had to wait sometime at the Doctor's office, I wanted to go back and change my shoes for a pair that I thought would be more comfortable, but the Captain was too quick for me, he turned the key, and said to me on the lookout for desertions now. They came back at last bringing an enormous leather bound book, which I thought must be the "United States Code," but it proved to be "Roughing It," by Mark Twain, with illustrations.

When we reached the place where we were to take the stage, we found the Editor, Mrs. R. remarked to me that he looked vexed, I told her that I did not believe he was displeased with us for I had somehow, or somewhere, seen, heard, or read of instances in which Editors had their patience tried with their own affairs, most likely something was wrong about his paper, anyhow—we would ask him to beg our pardon, for keeping him waiting so long. He looked at his watch and asked "what in the world had happened to detain us so long?" Mrs. R. replied, "nothing, only we could not get here any sooner." He said, "that is a very unsatisfactory explanation to a man who had been waiting for an hour and a half." I assured him that it was perfectly clear and logical if he could only understand it. That seemed to be a conclusive argument and we moved on.

We selected a place among the rocks where we seated ourselves for our lunch. Every one was in good humor—the Captain told marvelous stories

of the sea, the Editor seemed to enjoy it, forgave us for keeping him waiting, promised not to put us in his paper. We left in time to come back and go on board the Captain's ship, altogether the day has passed very pleasantly.

But now I am alone, the scenes of the day awaken memory, time rolls backward, and I am again a child, I see my childhood home in a far distant land, near a rocky coast, resembling that which I have seen to-day—again I run with joy to meet my big sailor brother when he returns—I see him now, as he springs up the tree to bring down my pet kitten—a few short years pass by—he has been in foreign lands—the ship returns—but no brother, his grave is in a strange land, in his trunk were found many a childish toy and girlish ornaments, showing that he had never forgotten the little sister he had left at home. These recollections sadden me—a chord in memory has been struck, and—

"Touch it lightly as you will,
It gives a mournful echo still."

NUTRITION IN BRAN.

Very few persons fully know the reason philosophically why Stock fed on Bran love it so well, or thrive so finely, even those who by reason of sickness eat Graham bread, cracked wheat, &c.

We give from the North Western Farmer the following upon it:

"The nutritive value of all good food depends much upon the amount of gluten which it contains, as this is the substance which goes to form the muscle. The proportions of gluten in whole grain, bran, and fine flour are as follows: Whole grain, twelve per cent.; bran, fourteen per cent.; fine flour, ten per cent. By sifting out the bran we, therefore, render the flour less nutritious as well as less wholesome. As bran constitutes from one-eighth to one-fourth of the whole weight of wheat, on the average one sixth there is a great waste of muscle-forming material by bolting. True, it may go for the nourishment of inferior animals, but it sells for less price, does less good, and thus used is a drawback on the just profits of the farmer. As compensation for this loss in the sale of his wheat and flour, the farmer should use all his bran in feeding his stock, and if he purchases the bran of his neighbors, those who live in Illinois or California, or any other country where manure is a nuisance, both his stock and his farm will be benefited. Wheat bran may not put as much fat on cattle as does corn-meal, as it does not contain so much starch and oil, but it will produce more muscle and more bone. We have seen that it contains more gluten (muscle material) than fine flour, and if we burn any given weight of bran and fine meal we shall find that the amount of ash (bone material) is at least six times as much in the former as in the latter. As it is this inorganic matter which is so much needed on our old soils, farmers can in no more economical way renovate their old lands than by feeding bran heavily to stock."

LIVING FOR SHOW.

Show is the besetting sin of our women: There are some men tottering from the same weakness, and an honored name is disgraced, pampering to its charm.

Comfort is everywhere sacrificed to style. In this lovely woman make without a peer. To obtain a desired object, no barrier is permitted to obstruct itself.

To garish their forms with the laces and fables of fashion, they even times steep their features in a gulf of sin that drifts out to the sea of never ending woe.

Thus we find the situation at the present time. A fine house and handsome furniture are kept for the world's inspection.

A servant or two must be paid out of a limited income, because it is vulgar for a lady to do her own housework.

Bridget, "her day out" either imitates her mistress, or wears the latter's costly garments, which is all "for show."

Our middle class live as if they were rich. The pride of these women is to break down the distinction that the possession of wealth naturally creates.

A finer and more worthy pride would inspire them to observe distinctions which they are not responsible for, and which entail no disgrace.

Far more honorable in a scantily furnished room lived honestly, than adorned gaily according to society rules, because in the first place you live within your means, and have no impending avalanche to mar the happiness which vain-glorious people sacrifice to court show.

We always admire a woman who says openly, "We cannot afford this thing." The words uttered, the battle is won. Half of the expenditures which makes married life so burdensome are sacrifices to a false and ignominious reality.

Instead of feeling humiliated at a plainer style of living than a rich man indulges in, a poor man's wife should glory in it.

Who are the women of our cities that are subject to scandal? Not those who live within the known means of their husbands.

The devil's whisper does not follow them when they appear on the streets—their virtue is demonstrated by their daily life.

But the thoughtless woman whose rich and various toilettes cost half her husband's income, is always regarded with suspicion, no matter how correct and circumspect her life may be.

A farmer and his wife called at a Detroit photographic gallery last week to order some photographs of her, and while the operator was getting ready, the husband gave his wife a little advice as to how she must act. "Fasten your mind on something," he said, or else you will laugh and spoil the job. Think about early days, how your father got in jail, and your mother was an old scold, and what you'd have been if I hadn't plied you! Just fasten your mind on that!" She, however, concluded to postpone the "job."

HOW TO TELL SHODDY.

A voice—"But how can you tell 'shoddy' people, Mr. Perkins?"

This way my friends. When a strange family arrives at our hotel you must watch them closely. Divinity puts on certain infallible signs to distinguish the ignorant and vulgar from the children of culture and virtue.

1. If the lady comes into the parlor with a diamond ring on the outside of her glove, it is safe to ask her how much she gets a week. ["Hear, hear!"] and several ladies put their hands under their partners.

2. If Providence erects a dried moustache over the mouth of the man, it is to show that he is a gambler or a vulgarian. [Observe, when two American Club men, a gambler, or four Plug-Uglies from Baltimore, put their hands over their moustaches]

3. If, when that new family enter or leave a room, the gentlemen rush ahead, leaving the ladies to follow, there is something "shoddy" somewhere.

4. If the man presents the ladies to the gentlemen instead of vice versa, and they all shake hands on a first presentation, then you may know they hail from Oil City.

5. If when they go into dinner they do nothing but loudly order the waiters around, and talk about the wine, you can make up your mind that they are the first waiters they have ever had, and they are the first waiters they ever drank. If they pick their teeth at the table, or take out their false teeth, and place them in the tumbler, [a voice, "about them on the spot!"]—yes, my friends, I say that to their teeth.

6. If when a gentleman sits in the parlor talking to a lady he don't sit up straight, but sprawls all over the sofa, puts the soles of his boots on the lady's dress, or the furniture, or wipes his shoes on his own white linen pantaloons, you'd better refuse an introduction to him. [Applause, when eight young fellows who sat with their legs radiating like the wings of a windmill, or sprawled one foot crosslegged in the empty air, whirled themselves right side up.]

7. If the ladies in that party whitewash their faces, redden their lips, black their eyebrows, or bronze or yellow their hair, just you think this another sign which Providence puts up so you can shun them. Enamel and dyed hair are social beacon lights to enable you to keep away from such people, for they are wolves in sheep's clothing.

Voices from a young lady—"But we want to look beautiful, Mr. Perkins."

But this will not make you beautiful, my children. Any sweetheart who is so shallow as to take whitewash for the human skin, or rouge for the rose cheeks of nature, is to much of a sap-head to make a good husband, and if he is smart enough to see through your deception, why he will surely leave you in disgust. [Applause by the gentlemen, while several ladies wiped their faces with their pocket handkerchiefs.]

8. If when this family get into their carriage to ride to the lake, the young ladies appear in gaudy colors, throw over their laps a bright yellow and red or blue Afghan, and the coachman wears a gold bit-head and a sprawl-tailed yellow livery, with velvet collar, and holds brass-bespangled horses by white reins, you may know that the owner keeps a livery stable, and that this is his first carriage. [Voice—"Hit 'em again, Ed!"] No, my friends, I've said out.

BRIGHAM YOUNG'S ADVICE TO HIS WIVES.

"I want my women to understand that what I am going to say is for them as well as for others, and I want those who are here to tell their sisters; yes, all the women in the community. I am going to give you from this time to the 6th of October next, for reflection that you may determine whether you wish to stay with your husbands or not, and then I am going to let every woman at liberty, and say to them, now go your way."

And my wives have got to do one or two things; either to round up their shoulders to endure the afflictions of this world and live their religion—that is, polygamy—or they must leave; for I will not have them about me. I will go into heaven alone rather than to have scratching and fighting about me. I will set all at liberty. What, first wife too? Yes, I will liberate you all. I want to be somewhere, or do something to get rid of all the whiners."

THE SHREDS.

Once upon a time there was a maiden who was very pretty, but lazy and careless. When she used to spin, she was so impatient that, if there chanced to be a little knot in the thread, she snapped off a long bit with it and threw the pieces down on the ground near her. Now she had a servant-girl, who was industrious, and used to gather together the shreds of thread, clean them, and weave them, till she made herself a dress with them.

And a young man had fallen in love with this lazy maiden; and their wedding-day was appointed. On the evening before, the industrious servant-girl kept dancing about in her fine dress, till the bride exclaimed,—"Ah! how the girl does jump about!"

When the bridegroom heard this, he asked the bride what she meant, and she told him that the maid had worked herself a dress with the shreds of thread which she had thrown away. As soon as the bridegroom heard this, and saw the difference between the laziness of his intended, and the industry of her servant, he gave up the mistress, and chose the maid for his wife.

Where gold dwells in the heart, faith, hope and love dwell out of doors.

What is that which Adam never saw, never possessed, and yet he gave to each of his children, Parents?

One half of the attacks upon marriage come from those who are unequal to the sacrifice it calls for and the purity and unselfishness it requires, and want an easier and looser way of living. Their agitation in the interest of disorder, their real motive is, "Anything but what is."

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EUROPEAN.

From our Special Correspondent.

Paris, August 9, 1873.

IRRIGATION, MANURE, STOCK.

From elegant extracts—ancient and modern—travelers attest that Persia is not so barren as from Dan to Bosphorus. The soil when not sandy is a stiff clay, and through the Northern parts of the kingdom have a more temperate climate, to general the fertility of the country depends on irrigation by the canals. "Water Price" is the title bestowed on the officer charged to distribute the field among the cultivators. The excrement of horses, after being dried in the air and beaten into a powder, form their bedding some three inches thick, and to remove unpleasant odors the horses receive much salt with their food. Night soil and pigeon's dung are mixed in a deep pit with double their volume of earth, left undisturbed for two years, then dried in the sun, and applied to, as a powder fruit trees, vegetables, and grain. Two crops of barley can be taken in the year. Powder manure, irrigation, and water-lots, constitute the fertilizing agents for the soil, a soil highly impregnated with salt, and six months in the year under water. It is the mado tribes that principally rear the cattle; the sheep are famous for their tails sometimes 30 lbs. in weight, and that "they carry behind them" occasionally in little trucks. Goats are reared in large numbers, the stock being destined for the Constantinople market. When a farmer grows rich, he does not live Westerns, dream of leading a city life, he not only improves, but embellishes his dwelling and surrounds himself with all the luxuries of a home.

GOVERNMENT BOUNTIES, MANURES, PREMIUMS.

Petitions are being addressed to the Assembly, praying that today to study the success which has attended the Belgium government's efforts to improve the live-stock of the country, by purchasing choice animals, and locating them through out the kingdom. French deputies are invited to grant the necessary funds to the reproduce first class breeds of farm animals. Judging of the foresight of our Representatives; one of them, M. Douhet, dreading the period when our descendants shall have no more combustible, no more artificial manures, proposes a bill to vote prizes of one million, and one million and a half of francs, respectively, to whoever shall discover an agent to superseed coal as a producer of motive power, and also a process for working up atmospheric or other natural source of nitrogen, for food for plants. Believing that, the budget will not soon be called upon to pay, it is likely the funds will be voted. The subjects are not now, but not so impossible as appearing the circle, or discovering the philosopher's stone. M. Grandjean, already exclaims "Eureka" is calculating that France wastes annually in animal matter over two million tons of excrement, representing a monetary value of three milliards of francs.

POWDER BEST ITS PRODUCTION, SOIL, &c.

An extensive cultivator of beet in the North of France was led to examine why some of the seeds

did not germinate, or where they did, very slowly. He found on investigation that the seed had been attacked by a multitude of centipedes. He tried the plan of steeping the seeds in various poisonous preparations and completely succeeded; the plant pushed up vigorously, the best steep was composed of one part of Epsom salt, and 30 of water. Romania is actively engaged in the the growth of beet for sugar, and several large orders have arrived in Paris for the requisite pulping and extracting machinery. In the instructions published for cultivating that plant the Romanian farmers are reminded their alluvial soil is quite rich enough without being manured. How long will it support this carrying-off and no-return process?

CURING HAY.

Analysis has shown how great is the difference in the nutritive qualities of hay made in a wet season, or improperly withered. The microscope reveals that fodder thus moist becomes covered with a poisonous cryptogamic vegetation, roughly named mildew, and which science tends every day more and more, to connect with the mysterious origin of contagious diseases. Before using such hay, it should be exposed to the sun, or a smart current of air, and before placing it in the racks, watered with a solution of half an ounce of salt in one quart of water.

THE VINE DISEASE.

The progress of the vine disease has provoked many fresh, but no new learned disquisitions about the phylloxera. After an attentive perusal, there seems to be no effective cure, except the Faucon process of autumnal submergence of the vines; and for localities that cannot be irrigated, solutions of ammonia—why not in the form of guano—are the best of the nostrums.

ROP BINES FOR PAPER.

The practice has hitherto been to burn rope bines. French farmers now sell such for a moderate sum to the paper manufacturers.

BOUNDS TO DESTROY WILD ANIMALS.

The Inspector-General of Forests has published some curious statistics, there are in France 449 packs of hounds, comprising 9800 dogs, and employing 1560 care-takers. These 9800 dogs destroyed 8,654 game, and noxious animals during 1872; consisting of 615 wolves, 1956 wild boars, 1054 foxes (never hunted in France), 711 stags, 1317 chamois, 3114 hares, and sundry other small deer.

WHAT THE CREDIT SYSTEM COSTS THE FARMER.

In conversation, a few days since, with a respectable hardware dealer, in reference to the prices of reaping and mowing machines, we learned that they were furnished the local dealer at a price that allowed him a profit of over 30 per cent. he giving his notes to the manufacturer at 30, 60, 90 days, etc., with 8 per cent interest. The machines are sold to the farmer at this large profit, on time, they giving notes bearing 8 per cent. interest. In many of the States, we suppose the rate is much higher, say 10 or 12 per cent.; and the object of the arrangement, to enable a manufacturer at once to borrow money to carry on his business, which he does by having the paper of the hardware dealer discounted at bank, who in like manner turns in the farmer's notes to his banker.

Now let us see how all this works up. Suppose the profit to the middle-man to be no more than 30 per cent.; add to this the 8 per cent. interest paid on his note, and the share the manufacturer often pays in addition, to procure the discount, and we shall have some idea of what the accommodation of a few months' credit costs us! And we are equally liberal with other middle-men such as dealers in corn-plasters, threshing machines, etc., as well as the interesting young men who go about the country to display their eloquence to the "wanton folks" in describing the merits of their favorite sewing machines!

Nor does the evil stop here. In the construction of free turnpike roads, we will be told that the county will issue bonds, and assess the amount, with the interest, on our lands, and we can have five or six years to pay; and the contractor will take the bonds. Yes, he will take the bonds at a share of 20 or 25 per cent., or make his price for the work to correspond with this figure. How strange that we allow ourselves to be bamboozled in this way! We are ready to pay this big price for the credit, say 30 to 50 per cent., and seem willing to buy on those terms, when we would hardly purchase at all for ready money, though the price should be so much less. This the shrewd dealer understands, and therefore the credit system is everything to him. Men, who, as a general thing, are reluctant to go in debt, are frequently caught in these operations.

We do not wish to discourage the use of these useful labor-saving machines, by no means. But we insist that the amount lent to the farmer by the present credit and agency system is so great, that respectable manufacturers should at once suggest and agree upon a method by which the monstrous injustice should be done away; and the farmers in every neighborhood should organize for the suppression of the evil. If they want machines, and have not the money to pay for them, let them put out their own notes to back, and save the monstrous loss which the present practice inflicts.—National Live Stock Journal

THE SANITARIUM.

This is the title of one of the best and most valuable Journals now published. Notwithstanding there are so many valuable Journals Published all over the land the Sanitarium is worthy a special interest by every head of a household as a Family Journal.

PERCHERON-NORMAN HORSES.

[S. W. FICKLIN, in National Live Stock Journal, speaks thus of the Percheron Horses. This breed of Horses has done nobly in California, and are highly valued as "Horses of all Work" at all our Fairs, the Thorough Percheron, with half and three-quarter blood are shown to great advantage.—Ed. F.]

To the Editor of THE JOURNAL:

In the April number of THE JOURNAL, which has only just reached me, I see an article unfavorable to the Percheron-Norman breed of horses, to which you replied. But I have seen other articles in your paper inimical to that breed, and feel inclined to set the writings of them right—mainly by copying from good authority an account of the ones to which it is put in France, and on their old-styled roughly-paved roads, many of them sleep, where, if they had the defective feet attributed to them, they would be of little use.

I was in France in 1848, where these horses are generally in use, and traveled behind them; and I admired them so much, that I imported two stallions and two mares, and have bred from them since; and thought myself favorably impressed with them, I will only copy what service they did in France, in the mail-carriages of that period; four or five horses drawing a heavy mail, four passengers and baggage, and a mail messenger by schedule, under contract with the government, and under penalties for failures that guaranteed punctuality.

Murray's "Handbook of France," page 73, gives the route from Paris to Orléans, 212 miles, and the time by mail-post, 23½ hours; page 68, Orléans to Orléans, 74 miles, in 8½ hours; page 113, Paris to Rennes, 220 miles, in 26 hours; Tours to Bordeaux, 203 miles, in 23 hours; Toulouse to Bordeaux, 188½ miles, in 16 hours; and from Bordeaux to Bayonne, 184 miles, in 17 hours. These routes are given as a portion of the great number that thread France, and on which the Percheron-Norman stallions only were used in the mail-post carriages. They were also used in the diligences, carrying from 16 to 22 persons, and heavy baggage and express matter, at an average of from six to seven miles per hour, all over the roads of France.

Another and heavier class of them are used for road teaming and farm work, the principal and favorite color of which is grey. Horses capable of this and the omnibus work of the cities, are surely capable of doing our harness work in this country.

I have seen it charged in your or some other paper, that they are dull and ignorant-looking. The result of my observation has been to the contrary; and these I own show as much intellect and brightness of countenance as I ever saw in any breed of horses or animals whatever. They are by nature hardy, self-reliant, and live on as rough food as those "to the manner born."

The rapidly increasing importation of fillies, and the prices they bring, show that they are appreciated in this country, and stand without a rival as a class suited for heavy draught; and he half and quarter breeds are well, if not better suited to the general harness work of a country like this, with its various and too often bad roads.

THE HARVEST SEASON.

The Autumn Season reveals the Harvest of the Year, and our Fairs everywhere show the increase of our crops.

The great cost of Cereals this year surpasses the general expectation, for the Grain keeps rolling in more and more, and as this Journal has said will fully equal that of the crop of 1872.

The vast quantities of Wheat now at all the headquarters in every county is a proof of this, while in every section of our State there is still large quantities left—of the vastness of our crop is seen all along our lines of Railroads, surpassing belief, not a section of our State, nor a line of road, or a day but evidences of our immense crop can be seen in all directions.

NURSERY STOCK.

We call attention of Nurserymen and all who are planting a large amount of young trees to the Advertisement of the well known large Nurseryman, B. S. Fox, Esq., of San Jose, who offers a very large and valuable stock of Seedlings and young Ornamental Trees, also Nor Trees by the Hundred or Thousand at very low rates.

Mr. Fox is one of our Pioneer Nurserymen, and reliable, his stock is the Largest and Best in the State, and purchasers should look to his list now offered and make an early call, as the Sales of this Class of Trees will be large this year, and this is an extraordinary opportunity.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of all the Routes of the CENTRAL PACIFIC, WESTERN and SOUTHERN PACIFIC RAILROADS, with TIME TABLES complete, together with STEAMBOATS and their TIME TABLES, all corrected and complete, for reference, and for all travelers.

DON'T SELL THE FARM.

These words should be fresh in every body's memory who possesses a city homestead or a farm one, and in particular the latter, as this is the one I wish to speak of. When I see, as I have many times, the sale of a home and all its belongings, including the "household stuff" with the accumulations of many years—in crocks, and kettles, tools and implements of domestic use, I cannot help wondering if the possessors of these treasures which are now exposed to the glaring sun of day and carried away in various coming lots, with much incident breakage, will not find when they reach that town or settlement for which they are bound, that they have left behind them the best part of their lives.

The old horse who served so faithfully for years—"Father raised him from a colt," and every member of the family down to the "four year old" boy, drove and rode him to drink—will they not think regretfully of him every day of the year? Yet he was "sold for a song." The oxen, cows, the sheep that had furnished mutton, and the little lambs now larger than their mother—every familiar hoof and horn scattered—will the new ones to be bought from the grown old waller, which, 'tis true, this sale has made, cheerfully plump, will the new farm stock look as kindly, and prove as serviceable?

The old homestead looks pleasant, yet somehow sad, in the golden radiance of the day. The noble old oaks are "leafy," and so are the apple trees in the orchard. The willows are bright in yellow, tender blossom, and the brook sings its old old song, "For men may come, and men may go, but I go on forever."

The barnyard is sunny and yet not quite tenantless, and to the farmer's eye, looks not cheerless. There are generous heaps of manure, and genuine dough'll lows cackling with great astonishment at the strange movements. Some quaint straw-thatched stacks and corn cribs cluster round the barns, and the low, roomy old farm is not so far from the barnyard as to be excluded from the same picture. Surely the manly and womanly hearts will turn regretfully to it and say "why did we part," and the child that plays with homesickness will meet with unexpected heartfelt sympathy in the mother's breast.

Let the young men who are ambitious, and eager, and thirst for novelty, and feel assured strength to overcome greater difficulties, forget not that vision of men have been heretofore dazzled by glimpses of El Dorado where gold was supposed to be concealed in the veins of the earth, and remember there is in Iowa a mine of wealth a thousand times better and more lasting. Associations, too, are subtle things, and we feel no vital need of the nearest until they are severed. The connections of life within and the life without are unseen, and often quite unknown, until they are cut, then, sometimes, the life forces bleed fatally.

The selling of a home necessitates, giving up so much and risking so much that it ought to be decided upon only after serious and careful consideration, and for some very apparent advantage which shall be great enough, and certain enough to over balance the positive loss that must be submitted to. Don't sell your homes.—JOHN, in Farmer's Journal.

SPIRIT OF THE TIMES, NEW YORK.

The Renowned Journal, the leading Herald of Truth in the United States, has recently made a new announcement in its plan of issues.

The Spirit of the Times has been Re-volumed, and takes date back from its original time, making its present issue rank it as Volume ELEVEN-SIX, and now 42 years old, having commenced in 1831, and claims to be one of the oldest, if not the Oldest Weekly Paper published in America.

The Spirit of the Times is a 20 page Journal on superior paper, fine type, a Brilliant Live Paper, and the most reliable Tarf Record published in the country. George Wilkes is the Editor and Proprietor, and his name is known world-wide.

SACRAMENTO SUGAR.

We are indebted to the courtesy of Messrs. Mohr & Co., Merchants of Sacramento and Agents of the Best Sugar Co., for very fine samples (Five) of the various kinds made at the Factory, viz: "Golden," "Powdered," "Crushed," "Granulated," and "Fine Crushed." These samples can be seen at our Rooms, and they will compare with any Sugar made, both in purity, looks, and quality; this is a proud showing for this New Company, who will make this year 2,000 Tons.

Henry Ward Beecher's Sermons.—We have received from the Publishers of these Sermons, (J. B. Ford & Co., 27 Park Place, New York,) a copy of these Sermons. Messrs. Ford & Co. are the only Publishers of Rev. Mr. Beecher's Sermons, which are corrected by the Preacher himself. Every lover of Great Truths should send to Messrs. Ford & Co. and subscribe for them—only \$3 per year—900 pages.

IMPROVEMENT OF OUR AGRICULTURAL FAIRS.

That there is great dissatisfaction felt and expressed among our Farmers generally at the management of our State and District Fairs is a self-evident fact, the great mass of Producers and the Working Mechanics and Artists have gradually year after year taken less and less interest in them until now a comparative small few only are Contributors to the Annual Fairs.

Hear what G. N. Sweetz, Esq., of Marysville, says:

"He began with remarking upon the character of the audience he had to address, and expressed a wish that he might have had more of those interested in Agriculture and Mechanics to talk to. Calling to their recollection the extent and excellence of the displays which have been made at the Fair in former years, he regretted that the present exhibition was not up to the average. He apologized for failing to make an entries himself, on the ground that he had displayed so much and so often that he feared he had become objectionable to the people, and therefore he concluded to step aside this year and give others a chance. He hoped it would be borne in mind that if the Society is to prosper it must be by a united effort. A few could not do all the work. He spoke of the beneficial influence which Fairs have in bringing together various classes of people, and cementing salutary associations.

In reference to the cultivation of crops, he argued in favor of deep plowing on high, rough lands. Summer fallow he believed was good policy.

He deplored the lack of pains which is taken to preserve the natural grasses, which once grow in such abundance all through the District. Speaking of the poverty which has overtaken miners, he said that under the present system of cultivation the farming interests would be in the same condition inside of ten years. He believed that industry must be more diversified. Too much attention is paid to raising wheat. When the price of this staple is high, the farmer is rich; and when it is low, he is poor. There is too much uncertainty about the business. More blooded stock ought to be kept. Manufacturing should be carried on more extensively. Cotton and woolen mills should be started."

The cause of complaint from all parties is the same, the meagre List of Premiums offered for the LEGITIMATE AGRICULTURAL DEPARTMENT, and the LARGE AMOUNT paid at the RACE TRACK.

We but reiterate the voice of the Agricultural and Mechanical Workers when we say they are greatly dissatisfied and that unless a change is made our Fairs will cease to interest those for whom they were originally designed. A Reform must take place immediately or our Fairs will cease to be a credit to any place where held.

To make our "Agricultural Fairs more successful with large and full displays, there must be a more earnest attention given to the INDUSTRIAL DEPARTMENTS, and more appropriate and Larger Premiums, for we can easily see that our Producers are not satisfied with the Scale of Awards—the largest Premiums are for the "Racing Department."

From the conversation we have had from time to time with Producers in all the various classes of Products, and in the Mechanical Department, we are satisfied that immediate changes must be made in order to secure an interest on the part of our Farmers to continue these Fairs—they are now sustained only by very great exertions, when they should be made of such value to all that our people would take hold and make them successful without a word of urging, knowing they are designed for the Good of all.

The work of Reform, so much needed at our Fairs, is a subject worthy the special care of our GRANGES.

FRANCE IS FREE.

France to-day has her soil Free from her Victors, and Free from the mighty debt she assumed to pay them as the cost of the war. Nobly has France labored and struggled to fulfil her obligations to her victorious conquerors, but she has won a Grand Victory in thus achieving her own Freedom again.

The millions she has thus raised, and the noble manner in which France has sustained her own credit at home and abroad, places her in the front rank of nations as to her Resources. There is no parallel to it in history.

A HOTEL ON MOUNT DIABLO.

The proposal to build a Hotel on Mt. Diablo, and having a carriage road to the summit of this lofty Peak will give to our people a chance for one of the Grandest Panoramic Views that can be had in our State, it will indeed be a Grand Enterprise and when completed will be a paying Institution.

We would suggest to our State Government and to our Geological Survey the importance of making Mt. Diablo the place for an Observatory, this is the place most suitable for the Signal Station of the United States Department of War.



Agriculture.

THE GRAIN CROP IN EUROPE.

We here give what we esteem very valuable Statistics of the Grain Crop of England, the Imports into England and the sources from whence received, with reliable data of European Crops these are valuable for our farmers to know, these are compiled in Europe and we are indebted for these facts to the *British Trade Journal*, whence we select them:

The most important fact concerning the present English harvest is that it is earlier than anticipated; for, besides the ordinary benefits of harvest at an average date, there is this season a great special loss avoided by the check, through some hot weather, to disease among the wheat. This disease attacked the healthy plant, probably in June, and defective ears are the result, a yellow maggot, often called rust or red gum, infecting the fields. Considerable damage has been done to the earlier and delicate white sorts of wheat, yet, thanks to the highly favorable weather of July, much of the earliest ears matured in advance of the variety, and the red wheat mostly escaped an attack which a fortnight's damp and warm weather must have made general. To form an estimate of the crops at home and abroad, and thereby indicate the prospects of the corn trade, there is a large mass of half facts, half opinions for consideration.

This season seems likely to be the first since the American and French wars in which production and consumption throughout the world will be fairly tested against each other. When the field is full, we have in former years expressed a conviction that production is stronger and advances more rapidly than consumption. This view was supported by the many peace years prior to 1854, while its conclusions have been deranged and often opposed during the last twenty years. It will, therefore, be interesting to note the relative position of the surplus corn-producing countries. Last year ending December 31, Russia forwarded 17 1/2 million cwt. of wheat, against 15 1/2 million cwt. in 1871, and 10 1/2 million cwt. in 1870. This shows a vast ratio of increase out of proportion to consumption, while the imports from those 'sundry' countries rising into importance, although not classed, were two million cwt. against three-quarters of a million in 1870.

As regards Germany, her export powers appear balanced, any increase there of production being reduced by an increase of consumption. America also, excepting California, appears to have hitherto reached their maximum of export, its increase of the Western being reduced by the demands of the Eastern States. The following figures exhibit peculiarities deserving attention:—

WHEAT IMPORTS (IN MILLIONS CWT.) FOR THE LAST THREE YEARS.

	December 31, 1870.	1871.	1872.
Russia,	10 1/2	15 1/2	17 1/2
United States,	12 1/2	13 1/2	8 1/2
Germany,	3 1/2	3	3 1/2
France,	1 1/2	1.6	2 1/2
Turkey,	1/2	1 1/2	1 1/2
British North America,	2 1/2	3 1/2	4 1/2
Chili,	1/2	1/2	1 1/2
Egypt,	1-10	3-10	3 1/2
Sundry,	1/2	1/2	2

These large variations show the annual difficulty of estimating the surplus production, whereas consumption is almost a fixed quantity. Of flour, while France last year, sent us 1 1/2 million cwt. against 37,000 cwt. in 1871 and 645,000 cwt. in 1870, America only forwarded three-quarters of a million, against 1 1/2 in 1871, and over two millions in 1870.

At the present and for the last eight weeks the English and French markets have been dominated by a 'sundry' exporting country, Australia, whence a comparatively small bulk of wheat, of the quality wanted, arriving timely regulates the prices of American and Russian. Our total imports of wheat and flour this year, in million quarters,—1872 3, 12 1/2; 1871 2, 9 1/2; 1870 1, 9 1/2; 1869 70, 10 1/2; 1868 9, 8 1/2—exhibit an extraordinary increase, of which Chili, Egypt, France, Russia, and 'sundry' countries furnish the supply, a fact that favors the belief that production advanced so as to equal any demand upon it. This point is further illustrated by present currencies; this season's extra 2 1/2 million quarters have been bought in the world's markets without raising value more than a few shillings.

A brief reference to this year's harvests will be useful, Egypt, reported to have had a good yield, is now, that now wheat and beans are shipping, believed to have but a very moderate crop, which will limit her powers of exports to only an average. Spain and Algeria, also represented as having fine crops, have but a middling yield; quality good. Italy reports this year a very deceptive one, and the corn threshold is considerably below first estimates, so that the country will probably require small imports. At Naples, Barletta wheat is quoted 53s. 8d. for September delivery. San Francisco advices may now be pronounced unambiguous in reporting, after a disastrous season, a very early and fairly good yield, an increased acreage bring up the surplus for export to the bank of last year's large crop; the quality is thought to be even superior to that of 1872. With freights at about 5s per ton, upwards of 100 ships are likely this autumn to be loaded and arrive in the United Kingdom. In France the weather and harvesting have been so good that many fields are ex-

pected to yield double the quantity hoped for previously to the showers, and high temperature of July; yet the whole French wheat crop—best in the West, worst in the North—is considered decidedly worse than estimated previous to threshing, and a small average crop is the highest yield anticipated; and this result will only be gained by the good weight—64 lb a bushel—of the produce. New wheat sells for 63s to 68s for immediate delivery, and at about 60s for winter delivery, and this fact, at the moment, has a decided influence on the English and European markets. Last year's crop in France yielded, it is supposed, 40 million qrs., of which in wheat and flour only about 2 1/2 million qrs. were exported, while some 1 1/2 million qrs. of foreign wheat were purchased.

It is, therefore, thought that as the French last year exaggerated their surplus, they now exaggerate the present years deficiency, particularly as the new wheat is of superior quality, and a large and fine yield of barley is looked for, two results which do not usually accompany a bad wheat harvest. As French merchants usually buy in autumn to make good any supposed deficit in their crops, their purchases then will probably reduce the influence of the large autumn arrivals from California and other countries which the English high current prices of July will certainly attract over a million qrs. being now on passage. The prospects of France exporting barley to England will doubtless make her a small purchaser of English wheat. In Holland and Belgium a fairly good average harvest is expected. In Germany, notwithstanding the chronic speculation existing in Berlin, the estimate of a good harvest is general. At the same time, the increasing consumption of wheat in Germany is not likely to leave more than an ordinary bulk for export. About Hungary, reports have been throughout very contradictory; rust has reduced the wheat crop materially, but a much larger yield than 1872 is still expected—enough to give a considerable quantity to adjoining countries and some to England. In Hungary a wet season is usually a favorable one, drought being the chief evil to its crops.

Russia claims pre-eminence on harvest subjects, and according to reports, the corn crops of the Empire are good. Except on the coast of the Black Sea and Azof, the Gubir districts, where drought has swept the country, the wheat prospects are very favorable.

In the Danubian Provinces some areas are estimated to produce above an average yield, which will be reduced to a moderate crop by the disease of other districts; as it is, Galatz promises to ship its usual bulk.

There are fair prospects in Canada, and in the United States the crops are good enough to press forward old stocks for sale. Spring wheat is thought to be an average; winter wheat less in quantity, but of good quality, and well secured in the West. To Sweden, where we look for oats, a good crop—20 per cent. over last year—is promised.

The above summary brings us to an opinion, that the surplus corn-producing countries will have this year a full supply, or, in other words, that production will fully equal consumption any special inflation of value.

And now, as regards England, its probable crop and consequent wants. We attach less importance to the area sown with wheat than to the time of seeding. This has been so irregular that the wheat crop of 1873 is the growth of ten, nine, eight, seven, and six months, and will therefore be of irregular and uncertain development. Moreover, we have an unfavorable opinion of the whole crop thus far, since in any field it is the exception to find an ear that is not defective from vermin or the effects of frost. One side of the ear is fair, the other defective 1 to 20 per cent. Against this the residue of healthy, plump grains is remarkable, and we may confidently look for 10 qrs. of this year's wheat to produce the same quantity of flour as did 11 qrs. in 1872. In fairly good ears there are 40 to 50 grains—a number that is certainly a deficiency on a good crop of 15 to 20 per cent. Last year the crop deficiency was estimated at 15 per cent. Probably it was more, nearly 25 per cent. Compared with last year, this year's crop is, in our opinion, undoubtedly the best. Huntingdon, Lincoln, Norfolk, parts of Kent, Surrey, and Cambridge, are likely to get an average yield, and they are important counties; parts of Kent, Sussex, Suffolk, and Essex are very deficient. Probably the wheat crop of 1873 will take less room to stack than usual, for the straw is either short or only of moderate length, yet the rear end of the sheaves is noticeably heavier, and therefore the outturn of grain should be fair. With the present good prospects from potatoes (everywhere promising, and but little diseased), its country should require only an import of 10 against the 12 million qrs. of wheat and flour received in the past year. The maintenance of high rates for wheat up to the reaping of harvest must already have set its seal on many bargains in California and elsewhere, and thus has secured a large autumn delivery of grain to the United Kingdom that at the close of the year should give us ample stocks. In 1867 all crops were deficient; this year barley is good, beans and peas are heavy, oats thick, forage a fair crop, and root decidedly promising. The ears of oats are too short to make a heavy yield, yet generally the bulk of cattle corn and food is likely to be ample, and the stock of old hay is large. The serious deficit in the potatoes of 1872 probably created a demand for one to two million qrs. extra of breadstuffs, and this year, at present, we have not to fear a similar calamity. The course of trade in the English Corn Exchanges for the past month has left the future range of value undecided. Sellers on their side have had arguments enough to maintain prices, but not enough to attract millers and other buyers to speculate in the purchase of stock; and, in conclusion, we may observe that the foregoing estimates and inferences must not be considered final, but that they may be meanwhile accepted as opinions, to which the

next month will of itself furnish modifications easily applied. One of the chief wants of modern commercial economy, reliable statistics concerning agriculture is still deferred, and abundance estimates to foreign Governments and merchants, who profit by the ignorance of England as to England's harvest.

DESIRABLE QUALITIES IN A PIG.

Of all the desirable qualities in a pig, a vigorous appetite is of the first importance. A hog that will not eat is of no more use than a mill that will not grind. And it is undoubtedly true that the more a pig will eat in proportion to his size, provided he can digest and assimilate it, the more profitable he will prove.

The next desirable quality, is perhaps, quietness of disposition. The blood is derived from the food, and flesh is derived from the blood. Animal force is derived from the transformation of food. The more of this that is used in unnecessary motions, the greater the demand of the stomach, and the more food will there be required merely to sustain the vital functions; and the more frequently flesh is transformed and formed again, the tougher and less palatable it becomes.

This quality—quietness of disposition—combined with a small amount of useless parts, or offal, has been the aim of all modern breeders. Its importance will be readily perceived if we assume that 75 per cent. of food is ordinarily consumed to support the vital functions, and that the slight additional demand of only one-sixth more food is required for the extra offal parts and unnecessary activity. Such a coarse, restless animal would gain in flesh and fat, in proportion to the food consumed, only half as fast as the quiet, refined animal. To assume that rough, coarse, savage, ill-bred mongrel hog will require only one-sixth more food than a quiet, refined, well-bred Berkshire, Essex or Suffolk, is not extravagant—Harris.

EARLY OUT HAY FOR COWS.

Whatever arguments there may be, based on science or experience, in favor of cutting hay late, that is to be fed to horses, mules, work oxen or beef cattle, none of these will apply to hay that is to be fed to milch cows. Hay seed, and matured, well ripened stalks of grass may be excellent substances to develop animal heat, and to cause a deposit of fat, but they are certainly of very little value in the production of milk. Such hay contains too much carbon and too little nitrogen, to produce milk.

An Eastern paper states that Dr. Nichols, the judicious editor of the Boston Journal of Chemistry records an experiment on this subject, which cannot but have great interest for farmers. He says that he had one acre of grass, red top and clover that was cut June 19, and the hay stored by itself. On the first of last March, he put his herd of ten cows upon it, and the immediate increase in the flow of milk amounted to ten quarts per day. The hay fed them before was of the same variety, but cut after the middle of July. The early cut hay "spont" fully as well as the later cut; no more of it was consumed, and Dr. Nichols estimates that the money value of the product from this hay, fed to ten cows, was greater by nearly a dollar a day, than that from the other. Dr. Nichols also repeats the opinion he has expressed before, that most hay is dried too much, and declares that if grass is entirely freed from external moisture, as that in the form of dew and rain, it will cure better in the mow than anywhere else, provided enough exposure to wind and sun is had to cause one-half of the water circulating in the vessels of the plant to be evaporated. This is accomplished in six or eight hours of favorable weather.—*Farmer's Journal.*

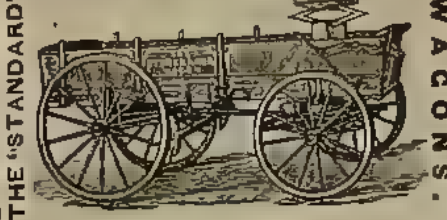
STATE FAIRS.

- NEW YORK STATE AG. SOCIETY.
33d Annual Fair at Albany, Sep. 24th to Oct. 1st.
 - KANSAS BOARD OF AGRICULTURE.
Annual Fair, Topeka, September 26th, to 26th.
 - OREGON STATE AGRICULTURAL SOCIETY.
Annual Fair at Salem, October 5th to 10th inclusive.
 - MISSISSIPPI STATE AGRICULTURAL SOCIETY.
Annual Fair at Jackson, October 12th to 15th inclusive.
 - NORTH CAROLINA STATE AGRICULTURAL SOCIETY.
Annual Fair at Raleigh October 14th to 16th inclusive.
 - MARYLAND STATE AGRICULTURAL SOCIETY.
Annual Fair at Baltimore, October 28th to 31st inclusive.
 - VIRGINIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Richmond, October 28th to 31st inclusive.
 - COLORADO STATE AGRICULTURAL SOCIETY.
Annual Fair at Denver, Sept. 30th, to Oct. 30th, inclusive.
 - ST. JOSEPH FIRST INDUSTRIAL EXPOSITION.
Fair at St. Joseph, Missouri, Commencing September 29th, to continue several days.
 - MISSOURI STATE AGRICULTURAL SOCIETY.
Annual Fair, St. Louis, Oct. 5th to 12th inclusive.
 - MINNESOTA STATE AG. SOCIETY.
Annual Fair, St. Paul, Sept. 23d to 25th inclusive.
 - GEORGIA STATE AGRICULTURAL SOCIETY.
Macon, October 27th, to November 1st.
 - NEW HAMPSHIRE STATE AGRICULTURAL SOCIETY.
Annual Fair, Manchester Sept. 30th to Oct. 2d inclusive.
 - NORTH CAROLINA STATE AG. SOCIETY.
Annual Fair at Raleigh, Oct. 13th to 15th inclusive.
 - MARYLAND STATE AG. SOCIETY.
Annual Fair at Baltimore, Oct. 7th to 10th inclusive.
 - MISSISSIPPI STATE AGRICULTURAL SOCIETY.
Annual Fair, at Jackson, Oct. 13th to 15th inclusive.
 - SOUTH CAROLINA STATE AG. SOCIETY.
Annual Fair at Columbia, Nov. 4th to 7th, inclusive.
 - VIRGINIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Richmond, Oct. 23th to 31st inclusive.
- COUNTY FAIRS.
- SANTA CLARA AGRICULTURAL SOCIETY.
Fair at San Jose Sept. 23d to 27th inclusive.
 - SANTA CRUZ DISTRICT FAIR.
Fair at Santa Cruz, September 30th to October 4th. The Fair managed by the "Farmers Club."
 - SONOMA AND MARIN DISTRICT.
Annual Fair at Petaluma, Oct. 5th to 11th inclusive.
 - UPPER SACRAMENTO VALLEY.
Annual Fair at Chico, Sept. 22d to 27th inclusive.
 - CONTRA COSTA COUNTY FAIR.
Annual Show at Pacheco, Sept. 23d to 26th inclusive.

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IRON AXLE, THIMBLE SKEIN, HEADER, and SPRING WAGONS, Of all sizes, with HEAVY TIRES riveted on, always on hand and sold for \$75 to \$175. Having established a Manufactory to build Wagons, Beds, Brakes and Seats, I am better prepared than ever to furnish JUST THE KINDS OF WAGONS NEEDED. The attention of Dealers is especially requested. E. E. AMES, General Agent. Factory and Depot, 217 and 219 E St. Sacramento, 23.2m

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OIL CAKE MEAL

THE BEST FEED KNOWN FOR LIVE STOCK

WE DESIRE TO CALL ATTENTION TO OUR OIL CAKE MEAL, which we are now manufacturing. Description of feed so greatly promotes the health of the dairy business, raising and fattening stock, or we grow, to give it a trial, feeling confident that they will find it of very great value. By those who have used it, they are pronounced to be pronounced to be equal to two pounds of Corn Meal, and in the United States Government Report of the Department of Agriculture for 1865, it stands in the following relation to other feeds as to the percentage of food produced from a hundred pounds of feed, viz: Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 18 per cent; Oil Cake Meal, 22 2/100 per cent. For MILCH COWS it is particularly valuable, increasing the quantity of milk and preserving quality for use, as much as any food known. A suitable quantity for use at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other food generally mixed with the most of bran, slops, roots, or food of any kind. It improves it to cook it for six or eight hours, the effect being to increase the bulk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other food—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will quicken the growth of animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes the health, and is especially valuable for those who are chilled or injured from over-driving. It is one of the best remedies known for horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and endurance and glances of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton or so promotes the growth of wool. A small quantity given to chaffed Cattle or Sheep will keep their hair and greatly increase their warmth and vitality.

At present price (\$30 per ton) it is the cheapest feed in the market. It is now selling in New York at \$40 per ton, paid at \$50 per ton in England, where it has been proven for long years to be in every respect the most profitable feed known for stock of all kinds—one ton being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been so highly tested, has induced us to increase our facilities for its manufacture, and we are fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manufactory, King street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

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Cashmere Goats.

The undersigned desires to call the attention of who want to purchase choice CASHMERE GOATS, the large and fine herds he has for sale. He has on hand and now ready to deliver Pure Blooded, Half Bred, and All Grades on to Europe.

These Goats are of superior form and beauty, and are offered as may be wanted by purchasers. They have been seen at the farm of the undersigned, located five miles from the Railroad Depot.

For further particulars, address N. GILMORE, Eldorado, Eldorado Co., Cal.

N. B.—The undersigned can particularly refer to Editor FARMER for the excellence of his Band of Goats. The Editor can also give particulars. B. 37.17

BAGS! BAGS!! BAGS!!!

Messrs. Ross, Dempster & Co., large Importers of Grain Bags, are offering them by large lots to the trade, this House sell them by Millions usually.

THE CALIFORNIA FARMER.
SAN FRANCISCO.

THURSDAY EVENING, SEPTEMBER 25, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

220 Clay Street—Marble Building—Up Stairs.

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the California Farmer, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This it is believed affords the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the Farmer with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall give attention to such articles in each issue of our Journal, to which we would direct their special attention.

OUR NEW VOLUME.

We XL upon entering our Fortieth Volume, and think we can claim title to XL, for our Faith has been excellent to carry us on for Forty Years.

Our Home Department has Bargains for Housewives—a Lesson worth learning, with other valuable lessons also.

Our Farmers will find very important information from Europe by the Chapter upon the "Grain Crop in Europe"—Farmers should note this carefully.

We give a valuable article on the Percheron Horse, which should be noted also.

COMPLIMENTARY

We are indebted to the Secretary, F. A. Miller, Esq., of the Bay District Horticultural Society, for Complimentary Tickets to their coming Fair for which we return thanks.

CATALOGUES.

We have received the Semi-Annual Trade List Catalogue of Messrs. Hooper Brothers & Thomas of Albany Hill Nurseries, at West Chester, Pa. These Nurseries are becoming celebrated for their extent, their excellent Collections and their Reliability.

We have received the Wholesale Catalogue (No. 4) of the "Mount Hope Nurseries" at Rochester, N. Y., Celebrated the world over for their vast number of acres, their immense variety and value.

WOMAN'S HOSPITAL, CHICAGO.

We have received the Eighth Annual Report of the Chicago Hospital for Women and Children, and the Fourth Annual Announcement of the same Institution, the latter containing the Official Report of the College Nurses, the Officers, &c.

OSIO AGRICULTURAL FAIR.

We have received the Premium List of the Annual Fair of the Franklin County Agricultural Society, their Fair will be held at Columbus, Sept. 18th, 19th and 20th.

OSIO STATE FAIR.

We have received the "Handsome Poster" of this Society, with their List of Premiums—it is a Credit to send out such a handsome Bill. Fair Oct. 6th to 10th.

A. B. SPENCER, SON.

We have received a very beautiful Song, one of a playful character, yet none the less beautiful, entitled "When the Light Eades from my Eyes." This Song is dedicated to Dr. E. B. Marcy, by Geo. Cooper, Esq., the Music by Harrison Millard, Esq., M. Gray, Publisher.

PLACE WANTED FOR A YOUNG MAN.

A situation is wanted for a Young Man of 15 years of age on a Farm in the country. The Young Man is well educated, healthy and strong. His Parents desire he should be trained on a Farm for which he has a strong predilection. Any Farmer who wishes such a Young Man who will train him to the knowledge of Farming, and treat him well can learn of him by addressing G. A. B. at Farmer Office.

OUR ANNUAL FAIRS.

THE STOCKTON FAIR.

The SAN JOAQUIN VALLEY FAIR at STOCKTON, commenced on Monday, per Programme, and has proved to be greater success than for many years, the whole Fair in all departments being of a higher type as the articles shown prove.

The attendance was large both at the Hall and at the Grounds, there is a spirit abroad that demands ADVANCE and IMPROVEMENT, and it must come, for our real INDUSTRIAL—our Producers demand a more just and equal pro rata of the Premiums with those that are given to the Races.

We attended that we might note events, which as to products we have done, but we were surprised as we looked around the Hall and looked in vain for the Samples of Grain, Flour, &c., of this great Valley—not a solitary sample—one sample of Oats from the Insane Asylum Grounds, this was ominous, Farmers are indeed INSANE, not to show what they can do.

The cause however, is apparent, the Race Course is the Chief attraction, and the place where the Premiums go.

The Hall was handsomely decorated on the walls by various exhibitions of Quills, Counterpanes, Robes, Dresses, Fancy Embroidery, Needlework, &c., also Paintings, Engravings, Chromos, Photographs, &c., quite a large number, while the Hall had as usual quite a display of Fancy Goods from dealers who naturally believe that a Fair is a good place to make their goods known, and this is a good way to advertise them. The whole Fair we mark down a Success.

We give the following, as noted by us at the Hall.

FRUITS.

The display of Fruit this year surpassed all former Fairs in quality, being all select specimens as they should be—no poor fruit should ever be allowed on the tables.

We noted as follows:

Geo. West had one table of very fine Fruit—Grapes, Apples, and Pears, and other samples. Among the Grapes we noted the Palestine, Syrian, Black Prince, Grey Reising, Moscat of Alexandria, Tetero Black Ferrara, and others—the Ferrara has been known when shipped East to keep well 64 days. Mr. West's collection was a very fine one—one of the best in the Hall.

Mrs. W. L. Overbeiser exhibited a large Basket of Fruit—very fine.

P. N. Young, Stockton, a Table of Fruit—all good specimens, a large and fine collection.

Joseph Patnam made a very fine show with an entire table of Fruit, all the specimens handsome, the Apples and Pears very extra, the Black Hamburg, and Black Cluster Grapes extra fine, also, exhibited a Dish of Pomegranates.

B. A. Larned, of Stockton, a large display of Grapes on the canes, also a large collection of Apples, Pears, &c.

J. A. Goodwin, of Chinese Camp, made a Royal display of Fruit. It was the best table in the Hall, all very extra specimens, 10 Dishes of splendid Grapes, Flaming Tokay, Muscat Alexandria, Hamburgs, Purple Demasque—extraordinary fine and large berries and bunches, Syrian, superb, Palestine, Black Morocco extra, and others, also two Dishes of superb Nectarines, seven Dishes of Peaches of magnificent color, and very large (Old Mexico), Apples, Quinces and Pears, two Dishes of Moscat—very superb.

We note this collection particularly because every dish of Fruit was worthy of showing at a Fair, and deserves the high award.

J. K. Myers, of Stockton, showed a collection of fine Fruit, B. P. Prentiss, of Sonoma, B. P. Koser, Santa Cruz, showed a few specimens of good fruit, G. G. Ernst, fine Pomegranates.

Mrs. Dr. B. K. Reid exhibited a Dish of Pomegranates, high colored, large, rich and delicious, as fine as we have seen grown in this State—a truly superb Dish of Fruit.

Ulrich Mar tin exhibited, fine Quinces, Pears and Pomegranates.

Joseph Patnam showed extra fine Watermelons—extra size—one marked 43 lbs.

FLOWERS GRASSES, &c.

W. B. West made a fine exhibit of Cut Flowers, many rare, new and choice, covering a large Table, neatly embedded in moist sand, thus showing fresh and bright, in the center of the table was placed a Pyramid of very choice dried Grasses in the center, Pampas Grass—the whole exhibit very fine.

Mrs. W. L. Overbeiser, Cut Flowers, Grape Myrtle, and others—fine.

Mrs. Joseph Hale, a fine Pyramid of Dried Grasses.

W. B. West exhibited a collection of Bouquets, made of rich and fragrant flowers.

PRESERVES, JELLIES, JAMS, &c.

The exhibit of this class at this Fair was most excellent indeed a few collections and all fine. Mrs. Joseph Hale, of Stockton, had a large Pyramid Stand, containing 112 Samples, embracing every variety of Fruit preserved in whole and parts in their own juices, and various ways with Jellies and Jams of various sorts, also 13 varieties Pickles, very handsome, making an extra exhibit and very meritorious.

Mrs. B. S. Bates, made a very select and extensive display, embracing 87 Jars, Jams, Jellies, &c., comprised of every variety of Fruits and in all forms.

Mrs. J. O. Reid exhibited 40 Jars, a choice collection of Fruit in all forms, and to every part up nearly an elegant collection.

Mrs. Anna Sperry exhibited a small Collection of Jellies, a few little Jams of a group.

MINCEMEATS.

The Pacific Tannery made a very fine display of Leather of all kinds, also Angora Goat Skins, tanned in colors for Hats and Carriage Robes. Lioforb, Kellogg & Co., of San Francisco exhibited the New Horse Shoe Patent.

L. M. Hickman displayed a fine Lot of Oatley,

and a handsome Lot of Stores and Domestic Tin Ware.

Mills & Doll made a good show of Stoves and Household Wares of fine appearance.

C. H. Ernst made an exhibit of New Styles of Stoves with Copper Boilers and Stove Ware, his own invention and work. His fine display showed him to be a *Live Man*, and Ernst indeed at his Profession in Fine Stove Ware.

Mrs. Dr. Taorndyke exhibited a case of rare things, being some Knives and Forks used on the Tables at the White House, Washington, during the Presidency of John Quincy Adams in 1826. Also a Pitcher 216 years old, and a Pair of Shoes 87 years old—great curiosities.

Mrs. J. O. Murphy exhibited a handsome Feather Boquet, a Vase of Wax Flowers, Model, &c.

Mrs. Anna Sperry, handsome Grasses.

VEGETABLES.

The show of Vegetables was very good, a large and complete collection, embracing almost everything grown was made from the grounds of the "Insane Asylum"—it was a highly creditable exhibit indeed, and showing the "unfortunates" in that Institution are well provided for.

A very large exhibition was made by Hale & Co., from their market Warehouse, truly splendid samples of all kinds.

AGRICULTURAL IMPLEMENTS.

M. O. Hawley & Co., of San Francisco, made a fine and creditable display of the very best of Farming Implements—Five superior Gangs, and other Plows, Buckeye Mower, and Fanned Straw or Sialk Cutter, Hay Forks, Farm Wagons, &c. John & Howell, of Stockton, has it usual with this Pioneer Agricultural and extensive Warehouse, made a good display, viz: Gang Plows, the Large New Hay Rake, Hay Forks and Farm Wagons.

L. M. Cutting & Co., of Stockton, Successors to the former Store of J. B. Webster & Co., made quite a good exhibit of Implements, embracing Plows, Mowers, Hay Forks, Corners, Wagons, Hay Cutters, Rakes, &c.

Matteson & Williams are the Pioneer Plow Makers of Stockton, exhibit their Celebrated Gang Plow the "American Chief" that has won them great honor.

Their 2x3 and 4 Gang Plow attracted great attention, so also their famous Obelisk Plow, or Cultivator. These Implements are their Patents, and valuable for the Farmer. M. & W. also exhibit their Hay Lifter—a popular Implement of which we have often spoken.

CARRIAGES, WAGONS, &c.

Henderson & Clark made a very fine show of their work, and of which they may well feel satisfied to show.

One superb Two Horse Carriage, finished on the finest style, valued at \$700; a *Old Horse* Outfitter, elegant one Phaeton, and four Open Buggies, all of the very best work—all a credit to the Fair. W. P. Miller, the Pioneer Wagon and Carriage Maker, of Stockton, exhibited a row of superb work—three Double, and one Single Carriage, all finished in the highest style of work. Mr. Miller always makes a good display—a credit to a Fair, and to himself.

Mr. Miller also exhibits the Farm Wagons, as Agents of Fish Brothers & Huggins.

POULTRY.

The Poultry had a good airy place for display, and it was a good one.

Dr. E. S. Holden exhibited quite a lot of the best kinds, large and fine Birds—Leghorns, Brahmas, Houdans, Poland, and Flat Turkeys. P. T. Brown, of Stockton, 5 Coops, all fine Birds and of the best kinds.

Willie Holden exhibited Pet Rabbits.

The other exhibitors, a few each, were E. B. Smith, W. M. Hickman, W. H. Van Lear, Frank West, John E. Morse, each some fine Fowls.

W. T. Baggs, of Stockton, the Silk Fleece Rabbits.

THE FAIR AT SAN JOSE.

The Santa Clara Valley Fair commences on Monday 20th, and continues through the week and it is expected there will be the finest show of Fruits of the year made at this Fair, as some of our largest Orchards and Vineyards are in this great Valley, the show of Stock will also be large and fine, for some of the finest Stock of the State is in this Valley.

It is a pleasant trip from our city and we hope there will be a large and a Prosperous Fair.

The fame of the Santa Clara Valley for Fruit should induce the Growers to show what they can do, if they do not make a good show they will lose reputation, for they do grow Fine Fruit. The Managers have been alert, and a Fine Fair is expected. It is a pleasant trip from this city, and a large attendance is expected.

CONTRA COSTA FAIR.

This Fair the present week was well attended, a very good show of Stock at the Grounds, and a fair attendance.

The exhibit at the Hall was also very good, the "Alhambra Gardens" and its mark as Dr. Strain always does, with his choice Fruits, nothing over to surpass it.

The principal feature of this Fair like all others was the Races, and we must not expect our Fair to improve much till this part shall be changed.

MARYSVILLE FAIR.

The Northern District Fair which took place last week cannot be put down as a success, the only exhibit of note at the Stock Grounds was the dog Herd of B. M. Sparks, Esq., while the Hall of Exhibition, had but little to note and only one table of Fruit, the Hall being unused for exhibiting was changed to a merry meeting of Visitors to a Dancing Hall, and thus their disappointment was banished by a trip upon the light fantastic toe, or the evening of what was to be the "Agricultural Fair." The Races won all the Money and closed the Fair.

THE STATE FAIR, SACRAMENTO.

As we mentioned in our last issue we attended so we could note events personally and thus report from actual observation.

The State Fair of 1873 was the best for many years, the Stock at the Grounds the greatest in numbers and the most superior ever exhibited in our State, and Visitors from abroad were surprised at the progress made in our State in Stock Raising.

The Exhibition of Fruits and Plants, Vegetables and of Agricultural Implements was the Best for many years, showing that once but the Best will now do it exhibit.

We have not space in this Number to give details of all, and we shall give the Show at the Stock Grounds as of leading importance in our next with exhibition at the Hall—our attendance at County Fairs precluded more reports till next week.

HORTICULTURAL SOCIETY'S EXHIBITION.

The Bay District Horticultural Society will open their Exhibition on THURSDAY EVENING NEXT, the 30th, at the Hall on Stockton Street, at 7 1/2 P. M., the same place of last year's Exhibition.

Every effort will be made by the Managers to offer a very Splendid Exhibition of Flowers and Fruits, the Hall has been fitted up in superb style, Music will be offered as usual, and it is to be hoped that the Public will give to this Exhibition a generous Patronage.

THE CHICO FAIR.

The Fair of the Upper Valley of the Sacramento commenced this week and promises to be a good Fair is the exhibit of Stock and the Products of the Soil, the report of this Fair we shall make in our next issue, as we design being present to make full notes, of what this rich section can do.

INFRINGEMENT OF PATENT RIGHT.

"Thou shalt not steal"—Decalogue.

There is probably no more mean or despicable act among men than that of an infringement of a Patent Right.

Our National Government having at early day believed that every Citizen who was an inventor was a Public Benefactor, made Special Laws for their protection, and say to all who achieve new designs they shall have "a Protection" which shall bear the "Great Seal of the Nation" to shield them from all who encroach upon their Right, as our Laws look upon any and all persons who are guilty of so mean an act as to trespass upon a Patent Right, as violators of the most cowardly kind, as assassins, who stab in the back, as Highwaymen who steal in the dark, and when detected our Laws punish heavily, yet there are those persons in our midst now who willful, wicked and malicious are mean enough to do what a Highwayman would scorn to do.

Of late years there has been several base attempts and wicked Transgression of Law of this kind in this State, whereby some of our hard working Industries Mechanic have seen the sufferers, and so great has been the wrong, and so repeated, that Public opinion is being aroused, and points to such base acts with the finger of scorn while at the same time there is being formed a spirit of determination that these Violators of Law and Justice shall be made to suffer the severest Penalties, if any more Robbery of this kind is attempted hereafter.

SPLENDID STRAINS OF POULTRY.

We learn from O. W. Wilson, Esq., of Oakland, that he now has on the way from the Eastern States fine specimens of Partridge and Black Chubbin, Dark Brahmas, Toolouse, Bremen and White Olden Geese, Bronze Turkeys of great size and some splendid Brown Leghorns, all imported for the purpose of improving his already fine Strains of Poultry.

This Gentleman is the heaviest Importer of Fine Poultry on the Coast, and being in continual receipt of imported Stock, is enabled to keep the blood of his strains pure and vigorous.

Parties wishing to introduce fresh blood into their flocks, will do well to obtain them of him, as his Stock is all Imported and not related to any other in this State.

Mr. W. is doing a good work for the lovers of Fine Poultry on the Pacific Coast, and we greatly prize that the value of the Strains he is now introducing will be felt and acknowledged many years hence.

THE FARMERS' MOVEMENT.

Among the new enterprises of our Farmers this Autumn, the Loading of Ships with Grain has been a conspicuous movement. Two ships have been chartered and loaded, the first was sold to Merchants here 62 1/2 Cts. 3d. the quarter, netting \$2 the cental.

The old steamer Vanderbilt altered to a ship, called the *Three Brothers* is the largest Cargo yet made up in California, being nearly 5,000 Tons—the freight of this Cargo will amount to \$75,000, and the value of the wheat at over \$125,000—thus the Cargo will produce in Europe nearly or quite A QUANTUM OF A MILLION DOLLARS—being Ten Millions, Pounds, and sold at 22 1/2 the cental, the price paid here.

SELECT YOUR FRUITS.

Orchardists and all who wish to grow the choicest kinds of Fruits, only, should attend the ANNUAL FRUIT FAIR, and with a "Memorandum Book" in hand, take note of all the fairest and best Fruits on Exhibition, and learn of its character and habits of the grower, its keeping qualities, its carrying qualities, for market use, especially those who intend to grow for market.

If all who grow Fruit would adopt this plan there would be less poor Fruit grown, and less Fruit that does not pay for the raising. An Orchardist should never plant any Fruit but the very best.

PRIDE OF BUTTE WHEAT.

Those of our Farmers who desire to secure the finest Seed Wheat on the Coast are referred to the Card of this New Variety now advertised in our Columns.

This Wheat is undoubtedly the finest and purest ever shown on this Coast, and is all that is claimed for it. We are advised by Mr. Van Waert, the Grower, that 60 lbs. per acre of this Wheat sown will produce a larger crop than 100 lbs. of the best of any other variety now grown.

To show how wonderfully Prolific it is, we can state that the original parcel which was sown of this Wheat in 1870 was only half a gill—the product in 1872, 130 Bushels—and this year over One Hundred Tons.

A Suck of this Wheat and a Bag of the Grain and a Bag of the Flour can be seen at the Farmer Office, and more proof of its great excellence can be had there also.

GOLDEN EAGLE HOTEL, SACRAMENTO.

The immense rush of people to Sacramento during the present Year's "Agricultural Fair" has been greater than ever before, and it has been a good test of the Hotels of that City, and how good the accommodations of others may have been, it is very certain that the great rush was at the Golden Eagle Hotel where the accommodations have been all that could be asked, while the attention given to its patrons was all that could be desired.

The "Golden Eagle Hotel" fed its thousands every day, and the Table was ever full of the very best fare that could be required, while Mr. Callahan, its worthy Proprietor, could always be seen looking after the interest and comfort of his guests—day and night, Mr. Callahan could always be found ready to respond to all who looked to the "Golden Eagle" as their Protection and their Home.

The number of guests at the "Golden Eagle" this year was the largest ever known, not only enough to fill all the rooms but more than one hundred rooms outside, these were provided for in a comfortable and satisfactory manner, and these guests were the best families of our State who can attest to the courteous manner in which their wants were attended to.

In justice we should not forget Mr. Maguire the pleasant and happy spirited Bookkeeper, who was always on his post ready to receive the guests of the Hotel and provide for their comfort.

We have been an attendant on the FAIR of our State since their first organization Twenty-one Years Ago, and we have never seen better preparation, better attention to guests or so much satisfaction expressed as we have seen and heard of the "Golden Eagle," and its worthy Proprietor Mr. Callahan this year, and his officers and attendants, and we make this notice as a matter of strict Justice to him and his Hotel.

THE AUZERAIS HOUSE, SAN JOSE.

The very excellent and highly popular Hotel, during the coming Fair at San Jose will undoubtedly be the "Home" of all the visitors from abroad, who appreciate that which is truly praised worthy.

For comfortable and luxurious sleeping rooms and Suites of Rooms, no Hotel outside of this city can surpass the Auzerais.

For excellence of Tables, for cleanliness, order and courteous attention to guests this Hotel has no superior. Mr. Otterbill is ever at his post to regard the comfort of his guests, his attentive Clerks and Stewards are all that could be desired.

THE ROCHESTER NURSERY CATALOGUE.

The New Catalogue of Messrs. Eltvanger & Barry, the well known Nurserymen of Rochester, N. Y., has been received by us.

Their New Catalogue is one of the best yet issued by them, Comprized as it is in Three Parts, each complete in itself. No. 1. of Fruits, No. 2. Ornamental Trees, No. 3. of Plants. This Volume is illustrated with cuts of some of the new varieties they are now sending out. In this most complete Volume much useful information can be had regarding the most valuable varieties which should now be planted, old things exploded and newer and better substituted.

AUTUMN WEATHER.

The Harvest Season is over with the Grain, and the most substantial amount of it has been Harvested or Marketed, now is the Season for the corn and Root Harvest, and this should be completed early, for there is every reason to believe we shall have an early Rainy Season, and a long one, already the weather has changed to a much cooler degree, and the signs show Rain is not far from us, our Farmers therefore should hurry up all the work possible of Harvest, and be ready for their Plowing and preparatory work for the new Season of Planting.

CALIFORNIA MADE WHIPS.

California can now boast of an elegant style of whips manufactured here as any other State can show.

The Whip Factory of Messrs. Main & Winchell are making large quantities equal to any made in the United States on Europe, and we need no longer import Whips.

THE HORSEMAN'S GUIDE.

There are few that are fine Horsemen, or gracefully in the saddle, yet a plenty that call themselves "Good Horsemen."

We give in "Old Ralph"—one of our recent times kindly furnished up by a friend.

To learn to ride gracefully.
Your hand and feet keep boldly up,
Your hands and feet keep down,
Your arms close to your horses' side
Your elbows to your own.

STATE FAIRS.

NEW YORK STATE AG. SOCIETY.

33d Annual Fair at Albany, Sep. 24th to Oct. 1st.

KANSAS BOARD OF AGRICULTURE.

Annual Fair, Topeka, September 26th, to 28th.

OREGON STATE AGRICULTURAL SOCIETY.

Annual Fair at Salem, October 6th to 11th inclusive.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.

Annual Fair at Jackson, October 13th to 15th inclusive.

NORTH CAROLINA STATE AGRICULTURAL SOCIETY.

Annual Fair at Raleigh, October 14th to 18th inclusive.

MARYLAND STATE AGRICULTURAL SOCIETY.

Annual Fair at Baltimore, October 28th to 31st inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.

Annual Fair at Richmond, October 28th to 31st inclusive.

COLORADO STATE AGRICULTURAL SOCIETY.

Annual Fair at Denver, Sept. 30th, to Oct. 30th, inclusive.

ST. JOSEPH FIRST INDUSTRIAL EXPOSITION.

Fair at St. Joseph, Missouri, Commencing September 29th, to continue several days.

MISSOURI STATE AGRICULTURAL SOCIETY.

Annual Fair, St. Louis, Oct. 6th to 12th inclusive.

MINNESOTA STATE AG. SOCIETY.

Annual Fair, St. Paul, Sept. 23d to 25th inclusive.

GEORGIA STATE AGRICULTURAL SOCIETY.

Macon, October 27th, to November 1st.

NEW HAMPSHIRE STATE AGRICULTURAL SOCIETY.

Annual Fair, Manchester, Sept. 30th to Oct. 2d inclusive.

NORTH CAROLINA STATE AG. SOCIETY.

Annual Fair at Raleigh, Oct. 13th to 18th inclusive.

MARYLAND STATE AG. SOCIETY.

Annual Fair at Baltimore, Oct. 7th to the 10th inclusive.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.

Annual Fair, at Jackson, Oct. 13th to 18th inclusive.

SOUTH CAROLINA STATE AG. SOCIETY.

Annual Fair at Columbia, Nov. 4th to 7th, inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.

Annual Fair at Richmond, Oct. 28th to 31st inclusive.

COUNTY FAIRS.

SANTA CLARA AGRICULTURAL SOCIETY.

Fair at San Jose Sept. 22d to 27th inclusive.

SANTA CRUZ DISTRICT FAIR.

Fair at Santa Cruz, September 30th to October 4th.

SONOMA AND MARIN DISTRICT.

Annual Fair at Petaluma, Oct. 5th to 11th inclusive.

UPPER SACRAMENTO VALLEY.

Annual Fair at Chico, Sept. 22d to 27th inclusive.

CONTRA COSTA COUNTY FAIR.

Annual Show at Pacheco, Sept. 22d to 26th inclusive.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Travel over our glorious State, we shall point out to the Traveler on the leading routes the best Hotels, and most comfortable and commodious homes for those who journey for Health, Pleasure, and Knowledge.

The following are the best Hotels on the principal routes leading to the Oceans, to Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend those of whom we speak from personal knowledge, and shall speak of others and others from time to time as occasion requires.

THE GEYER ROUTE.

Via Steamer and Railroad
The Cape Hotel,..... Napa City.
" Callisto Hotel,..... Carroge.

BIG TREES OF CALAVERAS.

Via Western Railroad and Copperopolis.
Yosemite Hotel,..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.
Golden Eagle Hotel,..... Sacramento.
SAN JOSE, ALMADEN MINES, &c.

The Austral Hotel,..... San Jose.
BIG TREES OF MARIPOSA.

Via Steamer by Railroad and Stage.
Clark & Morse's Hotel,..... Clark's Station.
Yosemite Valley.

Hutchings' Hotel,..... Yosemite Valley.
MARIN COUNTY.

Maria Hotel,..... San Rafael.
Travelers who are strangers can rely, that at these Hotels they will find the best and kindest attention and court, and will never be imposed upon by exorbitant charges.

BOUND VOLUMES OF FARMER.

We are now prepared to offer the BACK VOLUMES of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purpose of Libraries, etc.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to THE FARMER know they can always obtain the best and kindest attention and court, and will never be imposed upon by exorbitant charges.

New Advertisements.

Established 1853.

Stock for Nurserymen and Florists.

TERMS CASH.

Cherry Seedlings Mazzard,	\$15.00 per 1000
" Mahaleb,	20.00 " 1000
Apple Seedlings,	12.00 " 1000
Pear Seedlings,	15.00 " 1000
Walnut, Eng. lab. 4 to 6 feet,	15.00 " 100
" California Black, 4 to 6 feet,	15.00 " 100
Spanish Chestnut, 6 to 12 inches,	15.00 " 100
Cork Elm, 4 to 8 feet,	15.00 " 100
" 6 to 8 feet,	20.00 " 100
Blue Gum or Eucalyptus in variety	\$3 to \$10 " 100
Magnolia Grandiflora, 3 to 5 inches,	\$ 7.00 per dozen
" 6 to 12 inches,	6.00 " "
" 13 to 18 inches,	12.00 " "
Golden Arborvitae,	6.00 " "
" 12 to 18 inches,	8.00 " "
Black Leaved Arborvitae, 12 to 18 inches,	6.00 " "
Crataegus Arborescens, 12 to 16 inches,	2.50 " "
" 2 to 4 feet,	6.00 " "
Eucalyptus Septentrionalis, Variegata,	2.00 " "
" Puchella,	2.75 " "
" Argentea Marginalis,	3.00 " "
" Japonica,	3.00 " "
" Auria,	3.00 " "
Sweetbait Juniper, 12 to 18 inches,	3.00 " "
Heath Mediterranean, (Hardy)	2.50 " "

Will only sell in quantities specified at these prices, if less 10 per cent. added, if more 10 per cent. discount.

BEMARD S. FOX,

40.2 SAN JOSE

SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Tons. For one Ton and upwards Four Cents delivered on board the Car at Nord.

Orders addressed to Geo. F. Nores, Chico, or Wm. Van Wert, Nord, will receive prompt attention.

The particulars that recommend the "PRIDE OF BUTTE" to Wheat Raisers are its great prolificness, small amount of seed required, short, stout straw adapting it to rich lands and summer-fallow. For quality and quantity of flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize. The Flour made from it also won the Premium.

WM. VAN WERT,

40.3 Nord, Butte County, Cal.

A FINE HOME FOR SALE.

A very fine located Farm of 126 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams. Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bugy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homesland" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly.

39.24

TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments; only charging interest at the rate of 5 per cent. per annum Freight at the chartered prices paid the ship, Insurance and other charges at the lowest rates obtainable; thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

J. C. MERRILL & CO.,

204 & 206 California Street,

SAN FRANCISCO.

39.13

HUTCHINSON, M SMITH.

FIRE--MARINE--LIFE Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amazon Insurance Company,--Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company,--Chicago, Ill.,	250,000
Girard Insurance Company,--Philadelphia, Penn.,	655,000
Kansas Insurance Company,--Leavenworth, Kans.,	250,000
National Life Insurance Company, of U. S. A.,--Washington, D. C.,	1,235,000
New Orleans Mutual Insurance Association,--New Orleans, La.,	1,478,000
North Missouri Insurance Company,--St. Louis, Mo.,	1,235,000
Penn Insurance Company,--Philadelphia, Pa.,	285,000
St. Paul, E. & M. Insurance Company, St. Paul, Minn.,	628,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS,

39.21

No. 314 California St. San Francisco, Cal.

FISH BROS. & HUGGINS

"PACIFIC WAGONS,"

FARM,

QUARTZ, AND

HEADER WAGONS,

THIMBLE SKIEM

IRON AXLE FARM

AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glenn, Geo. W. Hoag, Compton Bros, Jacinto; Hill & Knapp, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Balbach & Co., Agents for San Jose. Smith & Baxter, Agents for Gilroy S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. I. Case & Co. 48-inch Cylinder Threshers.

39.18;

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural cut stone, fire-proof and enduring

ASHLER, COPING, SEPS,

MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fontaines, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Tires, French Grey, etc.

Architects and Builders are particularly invited to examine our Stock and Prices before engaging other building material

JAMES GAMBLE, President.

R. WEGENB, Secretary.

Office, 414 California Street.

Office and Works, 113 Clay Street, bet 4th and 5th, SAN FRANCISCO.

39.21 V CESING, General Superintendent.

NEVILLE & CO.,

Bag, Tent, and Hose

Factory,

113 Clay & 114 Commercial Streets,

San Francisco,

Importers, Manufacturers, and Dealers in all

kinds of

Bags, Burlaps, Duck, Canvas and Cottons,

ORDERS RESPECTFULLY SOLICITED.

J. H. NEVILLE.

39.20 O. H. BRYANT.

THE ITALIAN BEES.

The Italian Honey Bee has now been so well proved in California that it can be safely estimated as worth four times as much as the old Black Bee.

The Italian Bees are easier to manage and handle in every way—in "Swarming," in "R-mov-ing Honey," or "Transfering," and experience has shown that they will make double and triple the quantity of Honey of the Black Bees.

Persons wanting swarms of "Italian Bees" can see them at work and receive all Instructions for their culture by calling at the Garden, corner of Mason and Pacific Streets.

Standard Dundee

GRAIN SACKS.

32x36--Hand-Sewed--Extra Weight,

FOR SALE IN LOTS TO SUIT, BY

ROSS, DEMPSTER & CO.,

105 and 107 California Street.

39.21

SANTA CLARA VALLEY FAIR.

THE FOURTEENTH ANNUAL FAIR OF THE SANTA

CLARA VALLEY SOCIETY

Will commence on Monday, the 29th, and continue Six Days

THE PREMIUM LIST

will be found to be of the most liberal order. The Grounds of the Society are as fine as any in the State, while the means of accommodation for Stock are equal to any Association save the State Fair Grounds.

THE HALL OF EXHIBITION

In San Jose, will be ready to receive Art icles for Exhibition on the 29th, and it is hoped all exhibitors will be prompt and in season.

The Officers of the Society will beat the Rooms and Grounds with appropriate Committees to receive and give position, and to do all in their power to make a good and creditable Fair, and they look to the citizens of Santa Clara County to sustain them in making this Fair creditable to the County.

W. C. WILSON, President.

T. J. PORTER, Secretary

40.1

EUREKA POULTRY YARDS,

Corner Alce and Fifth Streets,

OAKLAND, ALAMEDA CO.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING

can spare Fowls, bred from Prize and Imported Black and properly mated for breeding, at the following low rates:

Light Brahms.....\$10.00 Per Pair. Per Trio.

Dark do.....12.00 18.00

Buff Cochins.....12.00 18.00

White do.....12.00 18.00

Black do.....12.00 18.00

Partridge do.....18.00 25.00

Holland and White Leghorns.....10.00 15.00

ALSO

Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Cockerals. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$5.00 per Dozen, Two Dozen to any address for \$10.00 Satisfaction Guaranteed in all cases.

Mammoth Broiler Turkeys Bred from First Prize Imported Stock weighing 6 pounds the Pair. Will spare Cocks at \$20.00, Hens at \$15.00, Ties at \$10.00.

Parties wishing Birds for Exhibition, will do well to correspond with me and ascertain special rates. Birds imported on Commission. Please send for Circular and Price List.

Address P. O. Box 1574, San Francisco, Cal.

Please state where you saw this Advertisement.

40.1

Grain and Potato Bags.

800 BALES NO. 1 STANDARD DOUBLE

Sewed Calcutta Gunny Bags, 550 each.

100 Bales Imitation Gunny Bags, suitable for Oats and Sweet Potatoes.

50 Bales Large India Packing Bags, suitable for Charcoal, etc.

300 Hales of Hand Sewed Wheat Bags, 1000 each, 32x36 and 34x36.

1500 Bales of Returned Wheat Bags, from Liverpool, nearly as good as new, 250 each.

ALSO--

400 Bales of Barbours Bros. Celebrated Twine, 2 1/2, 3, 4, 5, 6, 7 and 8-Ply.

For Sale in Bond or Daily Paid, By

REYNOLDS & CO.,

313 & 315 Davis Street.

39.20



HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS.

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

Home Miscellany.



AT PARTING.

Here must we part, we two that walked together
All a green, gracious summer, side by side,
Here must we part, in misty autumn weather;
So it is told—so it shall abide.

O my sweet lover, strong and proud and tender,
Lend me your steady hand to meet my kins,
Let life be life, let soul be soul surrender,
Let heart and heart be at an hour like this!

Never again, in all the years hereafter,
Never again, O love, to see you thus!
From summer's yet unborn, like mocking laughter,
Odors and melodies will float to us!

Perhaps in future dreams, with haggard faces,
We shall clasp ghostly, weightless hands and weep;
A sunset met, for shadowy embraces,
Among the jeweled mysteries of sleep.

Yes, the two specters we may stand together,
Vague shapes amid the vapor of dim dream;
Eddies that swirl, in blurred, bleak autumn weather;
Since this at least, that shall only seem!

—EDGAR FAWCETT, in *Galaxy* for September.

VACATION.

Burdened heart, we soon shall wander
To Sierra's dizzy peaks,
Where the granite breathes the thunder,
And in tears the cataract speaks.

There the eagle from his eyrie
Falls above the foaming pine,
And the golden sunset splendor
Tints his wings with fire divine.

Swaying trees, like emerald censers,
Toss their perfume in the air,
Breathing balm, their tender shadows
Frowning on the moon-tide glare.

Cool and deep the thorny thickets
Weave a fortress for the deer,
Through his leafy battion trembles
When he lifts his startled ear.

Creepers, flashing red with flowers;
To the cliff's unending face
Climb carelessly, as a maiden
Lies to her lover's embrace.

Billows glide round with fragments
Zones of color, mingling wide
Storms of flowers to the edges
Of the ice-capped mountain side.

Laugh to gales that in December
Lay embowed beneath the drifts—
And they smile in answer, glowing
With a wilderness of gifts;
Grateful for the crystal water
Which the shining glacier throws
From its cold, yet loving bosom
Underneath a shroud of snows.

In the peace and rest of nature
Far above the battle of men,
Fanned by breezes, kissed by sunlight
We'll renew our lives again.

Overland Monthly for September.

RABBI SIMEON'S PARABLE.

And it came to pass as the sun waxed hot,
And crowds in the synagogue came and went,
That under an oak they pitched their tent,
And the Rabbi sat and taught.

And ever and oft as his eyes would stray
Beyond the circle that girt him round,
On Lebanon's slopes they rested—crowded
With its silvery-crown'd snows.

As along by the brided bells of green,
Lead on their flocks from hill to hill,
Up where the grass shows lusher still,
Were the distant shepherd's cry.

Then lifting his voice, the Rabbi spoke
To his young disciples: "Behold ye, now,
These sheep new-washed, on Lebanon's brow,
Each fair as a fresh snowflake;

"And mark in their very midst, as well
Ye wonder may, where, quiet as though
It followed beside the mother doe,
Where browses a brown gazelle.

"And lo! the shepherd swooneth thus
Concerning the dappled thing! One day
As it watched from the crag the flocks at play
Gamboling and frolics.

"From the rocky bays and its bleating dam's
Udder unwaxed, it straightway sped
Down into the pasture plain, and fed
As a lamb amidst the lambs.

"And at folding-time, when the day is o'er,
Wild-entwined and as shy as erst
It follows the flock, and in silence first
To enter the walled door.

"And therefore doth lo! the shepherd shudder
It even with yet a gentler ear
Than any his bearded watchings share,
As he leecheth them all a-fore.

"As he cherishes them away; they have left
No wilderness mark—no covert grown
Beloved by reason of its lone
To break from their native fold.

"And join them with strangers. Harken ye
How onto my parable's lesson a fad,
Who guideth the chosen with sin and red,
Where farest the pasture be.

"Doth welcome the alien, who to dwell
Among them all other the law given,
With love that is patient tender—even
As the shepherd his brown gazelle."

—MARGARET J. PARSONS in *Galaxy* for October.

BARGAINS! BARGAINS!

We give the following interesting and excellent
Lesson for good Housewives (?) it truly "Pleats
a Moral and adorns a Tale." We find it in
Wood's *Household Magazine*, one of the best Mag-
azines published in New York:

"Such a bargain, love!" cried Mrs. Ponder, joy-
ously, to her husband.

"A bargain?" Mr. Ponder was used to the word;
he didn't like it; he had paid dearly for it; he was
tired of paying for it. He laid down his book,
and asked, "What will you do with it?" "It"
was a large handsome wardrobe with looking-
glass doors and extensive drawers and fittings.

"Do with it? Oh, I can do fifty things with
it," said the lady.

"But you probably will not do more than one;
what will that be?" he asked.

She mused a moment, and suggested the best
bedroom. Mr. Ponder remarked that it had a
wardrobe.

"Yes, so has ours, and so has the child's-room;
but I could put this into the best room, and put
the one there now into ours, and ours into your
dressing-room," she remarked, thinking the last
concession would win his heart to her bargain.

But the inexorable Mr. Ponder said he had a
wardrobe now in his dressing-room which quite
satisfied him. In vain the lady suggested vari-
ous views in which her new purchase might be
considered as a valuable investment, he simply
replied to each of them that "it was not wanted."

"Well, really, to think of letting this slip out
of one's fingers, at such a price! it would have
been wasteful, quite wasteful, I consider," said
the lady, who was too used to battles over her
bargains to be easily daunted.

"Pardon me," replied her husband, "the waste
lies in buying it. Intrinsically, it may be worth
twenty pounds, as you say; but since you don't
want it, I maintain, instead of being worth the
five guineas you paid for it, it is not worth five
pence to me."

"Depend on it, Mr. Ponder, it's absurdly cheap,
and an immense bargain!" she cried.

"My dear," he said, resuming his book, "I re-
peat, the price may be low, but, not being wanted,
it is worth nil to me."

A little pouting, a little frowning, a few senti-
ments, half thought, half spoken, signifying that
"some people were hard to please," "some peo-
ple were very inconsistent," "that it was enough
to deprive any one of spirit and energy, to be so
continually thwarted and blamed when praise was
deserved," accompanied the beautiful bargain to
its settled home in the best bedroom, and Mrs.
Ponder stood before it with a sorrowful enjoy-
ment, wishing her husband had a more liberal
spirit. Mr. Ponder, thinking he had been a little
hard on her, followed her up to the best bedroom,
and paid a complimentary tribute to her taste.

"Oh, I knew you must admire it!" she said, with
animation. "See what drawers! and look! what
lovely deep shelves! and these private drawers!
and such room for hanging dresses! Oh, it will
hold oceans!"

Mr. Ponder was going to say he was glad that
the Pacific and broad Atlantic were not likely to
be put up to auction, but having only just made
peace he abstained from his joke; and very soon
Mrs. Ponder's bargain became rather a care to her.

They seldom used the best bedroom. The ward-
robe now in her room was capacious enough for
her attire; she was sorry that ten months at least
out of the twelve the beautiful convenient bargain
should be useless. Suddenly a bright thought
struck her; it was just the thing to hold spare
clothes; but then she had two noble linen-chests
already. This was soon managed; they should
be converted into store chests, and the linen
should immediately travel to the wardrobe!

This was excellent management, and all the
morning Mr. Ponder heard nothing of his wife,
but in the afternoon she said, "I am going to
Repp's, with Mrs. Smith; she tells me there is to
be a sale of house linen, just such as I want, and
it will be marvelously cheap, so I won't lose the
opportunity."

"House linen!" exclaimed Mr. Ponder, "surely
we cannot be in want of that?" (remembering
as he did the stock of house linen and fine damasks
that his good old mother had bequeathed to him
in the two linen-chests.)

"Of course, dear, I don't mean to say we actu-
ally want it at this present moment; but linen,
like all other things, wears out, and no good
manager allows her stock to run down," said Mrs.
Ponder, who had a large space yet left in her last
bargain, which she thought would look well fill-
ed up with damasks.

Mr. Ponder happened to be at the hall door
when his wife returned from the sale in a coach
laden with articles of various kinds. He assisted
her to alight, and, rather against her inward wish
watched the packages carried into the house.

"Linen?" he asked, looking at an open ham-
per of jars and bottles.

"No, dear, I found it was a general sale, and
things belong almost given away (there being little
company there); I couldn't resist buying these
shilling bottles of sauce for fourpence-halfpenny,
and pickles the same."

"But you and I never eat pickles?" said Mr.
Ponder.

"No, but other people do, and it's nice to have
them," said the lady, who destined them to her
store chests.

"Linen?" again inquired Mr. Ponder, pointing
to a huge greasy looking box.

"No, that is soap; I have got it at one third
almost of the price, and soap is always better for
keeping."

It is money, thought her husband; but he
contented himself with saying that he would settle
the soap on her in his will as a part of her
share of his property, for he was sure, unless
they not only washed at home, but took in wash-
ing, they could never use that quantity.

"Well, my dear, I have bought nothing but
useful things," retorted the lady, angrily, "we
certainly cannot do without soap."

"Linen?" inquired Mr. Ponder, as the last in-
statement came in, his wife following with anxious
vigilance.

"No, Mr. Ponder, it is not linen," she cried,
defiantly, "it is two dozen of old china plates
that will just make up my set. I was delighted
to see them; I despaired of ever being able to get
any."

"What are they for—dinner plates?"

"Dinner!" said the lady, "they are so tender,
the touch of a knife would break them."

"What use will you put them to, then?"

"Use? don't I tell you they are to make up an
imperfect set which being imperfect was worth
little, but now—"

"Would go at a very good bargain at Repp's?"

suggested Mr. Ponder.

His wife did not stay to argue; she went off
with her boxes to see them stowed in proper
quarters, and found the work sufficient to occupy
her till bedtime.

Leaving her to her work, let us ask, what are
Mrs. Ponder's shelves, full of glass and china,
and her stores, multitudes of all sorts, worth
to her? All "picked up" at sales, marvellously
rare and fabulously cheap! First, look at the
glass and china.

Every now and then Mrs. Ponder is for a day
invisible to her friends, unavailable to her fami-
ly, and uncomfortable to herself, because she has
to dust and wash precious articles that she dares
not entrust even to her parlor-maid, and when
they are washed and dusted, they are put back on
the shelves till they want washing again.

Some are much too costly, others far too fragi-
le to be used except on the most special occa-
sions; and when such an event does happen, her
heart is in a tremor till the precious bargain is
once more safe in their hiding-places. The real
value of them is imaginary; the true cost is not
only the price she paid, but a large addition of
time and trouble, and when a crack or a chip
comes (spite of all precautions), the loss of a
temper.

Mr. Ponder, who had received with his wife the
brilliant reputation of her being a first-rate man-
ager, wishes he had been so happy as to light on
a second or even a third rate, for his experience
of "first-rate management" is that it leads to very
little comfort and very great expense. When he
is complimented by outside observers on "what
a capital manager Mrs. Ponder is," he thinks to
himself that she manages to spend a great deal of
money, and he wishes in his heart that she knew
the secret of "managing to do without." He
sometimes tells her that they will have to take
another house for her accumulations of linen
they will never use, home-made wines that will
go down to their heirs and assignees as vinegars
preserves that are fretting away all their sweet-
ness, and pickles that are drying up their vi-
tality; and as to furniture, he only wishes he
could get a day at Repp's to sell at half their
cost "the bargains that cost just nothing."

Wood's *Household Magazine*.

SLEEP AS A MEDICINE.

The cry for rest has always been louder than
the cry for food. Not that it is more important,
but is often harder to obtain. The best rest
comes from sound sleep. Of two men or two wo-
men, otherwise equal, the one who sleeps the best
will be the most moral, healthy and efficient.

Sleep will do much to cure irritability of temper,
peevishness, uneasiness. It will restore to vigor
an overworked brain. It will build up and make
strong a weary body. It will cure a headache.
It will cure the heart-ache. It will cure a bro-
ken spirit. It will cure sorrow. Indeed we
might make a long list of nervous and other mal-
adies that sleep will cure. The cure of sleep-
lessness requires a clean, good bed, sufficient ex-
ercise to produce weariness, pleasant occupation,
good air, and not too warm a room, a clear stom-
ach, a clear conscience, and avoidance of stimu-
lants and narcotics. For these who are over-
worked, haggard, nervous, who pass sleepless
nights, we commend the adoption of such habits
as shall secure sleep; otherwise, life will be short,
and what there is of it sadly imperfect.—*The Science of Health*

HOME READING.

One of the most pleasant and noblest duties
of the head of the family, is to furnish his mem-
bers with good reading. Let good reading go
into a house and the very atmosphere of that
home gradually but surely changes. The boys
begin to grow ambitious, to talk about men,
books, the past and the future. The girls begin
to feel a new life opening before them in knowl-
edge, duty and love. They see new fields of use-
fulness and pleasure; and so the family changes,
and out from its number will grow intelligent
men and women, to fill honorable places and be
useful members of society. Let the torch of in-
telligence be lit in every household. Let the old
and young vie with each other in introducing
new and useful topics of investigation, and in
cherishing a love of reading, study and improve-
ment.

SCINTILLATIONS.

Many a man is rich without knowing it. Of
such are the husbands of wives whose mothers
have gone to the happy land above, and whose
sisters have emigrated, or gone to join their
mother. Ask the average married man which he
would prefer—his wife without female relatives
and interference, or ten thousand dollars—and,
though the pursuit of wealth may be the idol of
his soul, he will decline the money and choose
the peace which follows where the wife is the
only care that comes with marriage.—*From Overland Monthly for October.*

The color of the wind was ascertained by the
man who went out and found it blew.

SEND FOR MOTHER.

"Dear me! it wasn't enough for me to nurse
and raise a family of my own, but now, when
I'm old, and expect to have a little comfort here,
it is all the time 'Send for mother!' And the
dear old soul grows and grumbles, but dresses
herself as fast as she can, notwithstanding. After
you have trotted her off and got her safely in
your home, and she sits around, administering
rebukes and remedies by turns, you feel easier,
it's all right now, or soon will be,—Mother's
come!"

In sickness, no matter who is there, or how
many doctors quarrel over your case, everything
goes wrong, somehow, till you send for mother.

But this has its ludicrous as well as its touch-
ing aspect. The verdant young couple, to whom
baby's extraordinary grimaces and alarming
yawns, which threaten the dislocation of its
chin; its wonderful sleeps, which it accomplishes
with its eyes half open, and no perceptible flut-
ter of breath on its lips, causing the young
mother to imagine it is dead this time, and to
shriek out "Send for mother!" in tones of ag-
ony—this young couple, in the light of the ex-
perience which three or four babies bring, find
that they have been ridiculous, and given mother
a good many "trials" for nothing.

Did any one ever send for mother, and she fail-
ed to come? Never! unless sickness or the
infirmities of age prevented her. As when, in
your childhood, those willing feet responded to
your call, so they still do, and will continue to
do, so long as they are able. And when the
summons comes which none yet disregarded,
though it will be a happy day for her, it will be
a very dark and sad one for you, when God,
too will send for mother.—*The Science of Health.*

THE DOMESTIC GROWLER.

Look at him! he is a curiosity. He was pleas-
ant enough an hour ago, as he sat in his office
talking to Jenks. With his chair tilted back, the
tips of his boots resting against the mantel-piece,
his mouth extended in a loud guffaw, in reply to
one of Jenks' yarns, you would have said he was
one of the jolliest fellows in the world.

But he does not look so now. He has lowered
his hat over his eyes, and got his family face on.
He considers it bad domestic policy to come home
looking smiling and cheerful; it would not only
lower his dignity as master of the house, but it
would encourage his wife and children to the ask-
ing of all sorts of favors, and the running into
goodness knows, what extravagances. The only
way, as he believes to keep up a proper system of
household authority, and reduce household ex-
penditure to its certain limits, is to always find
fault, and never relax for a moment the systems
of domestic snubbing.

Of course, the coming home of the Growler is
not looked for with joy. All pleasant influences
take wing. The very atmosphere becomes charged
with depressing or explosive material. The cook
spills the gravy, and blackens the toast for the
pigeons; the wife is afraid the soup will not be
all right, or the pudding done to the precise turn;
the children huddle in a corner, and talk in whis-
pers, and no one feels that they can breathe a
free breath until "pa" is gone. Who would be a
growler?—*Ledger.*

A GRAND CEMENT.

A cement of great adhesive power may be made
by rubbing together, in a mortar, two parts of
nitrate of lime, twenty five of water and twenty
of powdered gum arabic, thus forming a trans-
parent cement of wonderful strength, and ap-
plicable to wood, porcelain, glass and stone.
The surfaces to be united should be painted with
the cement and firmly bound together until the
drying is completed.



A FINE HOME FOR SALE.

A very fine located Farm of 196 Acres of Choice
Land, about one mile from Calistoga, in Napa
County.

Forty Acres of this Land is cleared and fenced,
Living Streams of Water run through this Farm, and
abundance of Mountain Trout are in these streams,
Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12
by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair.

On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best vari-
eties in bearing, with 20,000 vines in nursery
of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
1700 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 8 Horses, 1 Cow, 12 China
Pigs, a new 4-horse Wagon, a new Cart, Bugy and
Harness complete, and all kinds of Farming Tools
needed for a well kept Farm.

There are other valuable items and properties con-
nected making this place one of the most desirable for
a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the
State, which is the only reason for offering the place
for sale.

The Farm and Buildings with Stock and all com-
plete will be sold at a Great Bargain if applied for im-
mediately.

Address L. B. S. at the FARMER OFFICE for
4 weeks from this day, as the place will be sold
quickly.

39.24

OUR AGENTS.

We would caution our Subscribers and Patrons
not to pay money to any Travelling Agent or
stranger purporting to act for us, unless they can
show WRITTEN AUTHORITY FROM US.



The Leading Commercial School
of the Pacific.

A PRACTICAL BUSINESS EDUCATION IS
valuable to the Farmer, Merchant, Artisan and Lawyer, as
well as to the Merchant and Banker. In these go-ahead
times, no person can afford to do without it. For acquiring
this, Heald's Business College, by its combined system
of THEORY and ACTUAL PRACTICE, offers the very best
advantages. Its first-class in all its departments, and is ac-
knowledge by our leading business men to be the

Model College of the Pacific.

The Student Buys, Sells, Ships, Barter, Consigns, Dis-
counts, Issues, Draws Checks, Notes and Drafts, gives
Leases, Deeds, etc., and goes through the entire routine of
Actual Business.

The schoolroom is recently fitted up with
Merchandising, Jobbing and

Importing Emporiums,

Commission, Forwarding,

Real Estate and Banking offices

Real Estate and Express

Offices, Post, Etc.

A Ladies' Department

Is now open for all Ladies who wish to acquire a beautiful
style of writing, or to fit themselves for Clerks, Copy
Casters, Book-keepers or Telegraph Operators.

HEALD'S COLLEGE JOURNAL

An eight-page paper, published monthly by the College, giv-
ing full particulars in regard to school, and containing a large
variety of interesting reading. Sent free by Addressing

E. P. HEALD.

President Business College,
San Francisco, Cal.

38.10

ST. MATTHEW'S HALL,
A Family Boarding School

FOR BOYS,

UNDER MILITARY DISCIPLINE,

LOCATED IN

SAN MATEO,

Near the Railroad, twenty miles south of San
Francisco, away from evil influences.

Attention of Parents is called to it as one eminently a Home
School, the two being combined as much as possible. It
of seven years standing, now occupies a new and large
building, planned with the Home in view.

The Moral and Mental of Pupils are especially cared
for. Military Discipline is not carried to excess.

Five Teachers assist the Principal, teaching in all branches
fitting Boys for Business or College. Two Ladies assist him
in the care of their Clothing, Health and Comfort.

The Terms and Sessions (of which there are two) in
general agree with other Boarding Schools in the State.

The next Session Begins July First.

For Circulars, or Admission, Address

39.10 REV. S. L. BREWER A. M.

Santa Clara College, S. J.
SANTA CLARA, CAL.

CONDUCTED BY THE FATHERS OF THE
SOCIETY OF JESUS.

THE TWENTY-THIRD ANNUAL SESSION OF THE
Institution will commence AUGUST 6th.

TERMS—Tuition in the Classical and Scientific Depart-
ments, Boarding and Lodging, Washing and Mend-
ing of articles, School Stationery, Medical Atten-
dances and Medicines, Fuel, Light, Baths, etc., per
Session of Two Months, \$100.00.

For further information apply to the President of Santa
Clara College, Santa Clara, Cal., or to Rev. A. Maraschi,
J., St. Ignace Church, Market Street, between Fourth and
Fifth, San Francisco.

31-1 REV. A. VARSY, S. J. President

SCIENTIFIC BOOKS
FOR
Farmers and Gardeners

The latest works on Architecture, Agriculture, Poultry,
Domestic Animals, Small Fruit and Floriculture.

Special orders will be made for anything not in Stock
without extra charge. Books sent by mail to any part of the
country.

A. L. BANOROFF & CO.,

Booksellers and Stationers,

39.17 SAN FRANCISCO.

The New Florence
Sewing MachineThe New Florence
Sewing Machine

Will run the work in left of operator;
Will run the work to right of operator
Will run the work a the operator;
Will run the work from the operator
All done by a turn of the wheel.</

Miscellany.

DOT BABY.

So help me gracious, almighty day
I laugh me wild to see der way
My amall young baby diert to play—
Dot funny little baby.

When I look of dem little toes,
Und saw dot funny little nose,
Und heard der way dot rooster crows,
I abmille like I was crazy.

Und when I heard the real nice way
Dem boopies to my wife they say
"More like his fader" every day,
I was so broad like blazes.

Sometimes dere comes a little squall,
Dot's when der vlad vlad vlad vlad
Right in his little stomach schwall,
Dot's too bad for der baby.

Dot makes him slog at night so schweet,
Und gorrybarrie he must eat,
Und I must chumb abby on my feet,
To help dot feet's baby.

He bulle my nose and hicks my hair,
Und growls me ofer eberywhere,
Und snobbers me—and vail care?
Dot vas my amall young baby.

Around my head dot little arm
Vas schquosin me so nice and varm—
Oh I may dere never doom some harm
To dot schwall little baby.

*Dot vas me himself.

LEGAL ADVICE ON COMMON TOPICS.

A note dated on Sunday is void.
A note by a minor is void.
Notes bear interest only who so stated.
Principals are responsible for their agents.
Each individual partnership is responsible for the whole amount of the firm.
A note obtained by fraud, or from one intoxicated, cannot be collected.
If a note be lost or stolen, it does not release the maker—no must pay it.
An indorser of a note is exempt from liability if not served with notice of its dishonor within twenty-four hours of non-payment.
Ignorance of the law excuses no one.
It is a fraud to conceal a fraud.
The law compels no one to do impossibilities.
An agreement without consideration is void.
Signatures in lead pencil are good in law.
A receipt for money is not legally conclusive.
The acts of one partner bind all the others.
Contracts made on Sunday cannot be enforced.
A contract made with a minor is void.
A contract made with a lunatic is void.

A GOOD INVENTION.

[We clip the following from an exchange, the original was probably from the Danbury News.—Ed. F.]

We have just perfected an invention which will probably relieve us in the future from the persecutions of life insurance and sewing machine agents and book canvassers. It is the nature of a patent combination reflex-action door-scraper. We fasten it down by the side of the lowest step in front of our house, and wait until a book canvasser or sewing machine agent comes along, and one is tolerably certain to do so within fifteen or twenty minutes. The canvasser stops to scrape his boots, while he thinks up some new and vigorous exaggeration with which to impose on us. As his foot touches the iron, two clamps fly over his instep and hold him fast; a steel claw suddenly shoots up his legs and grabs his trousers, a trap flies open in the pavement, and the victim is hauled in a coal cellar, where we have an infuriated Irishman engaged to mellow him and flatten him out with a scoop-shovel or a hatchet. We allow the Irishman a royalty upon the remains, and he seems to be animated by an earnest enthusiasm which promises rich results. If the machine works well we shall either buy a graveyard or found a medical college. In the meantime, persons in want of bodies for dissection or other purposes, will please apply. The corpses will be closed out at a sacrifice to cash purchasers.

CLIPPINGS.

A Nashville man was awakened the other night by pain in his stomach, and thinking the cholera was at hand he clutched for a bottle of camphor which he kept on the table, ready for instant use, and commenced to apply it with vigorous rubbing to his abdomen. He experienced considerable relief, but was considerably surprised at not perceiving the strong scent of camphor. Suspecting that he had made a mistake, he lighted the gas, and made an inspection, which resulted in the highly satisfactory discovery that instead of camphor he had used ink.

A story is told about a Yankee who lately settled out in the West. He went to a neighbor and accosted him thus, "Wa'al I reckon you ain't got no old hen or nothing you can lend me a couple of weeks, have you, neighbor?" "I will lend you one with pleasure," replied the gentleman, picking out the very finest hen in the coop. The Yankee took the hen home, and then went to another neighbor and borrowed a dozen of eggs. He then set the hen, and in due time she hatched a dozen of chickens. The Yankee was again puzzled; he could return the hen, but how was he to return the eggs? Another bright idea. He would keep the hen till she laid a dozen of eggs. This he did, and then returned the hen and eggs to their respective owners, remarking as he did so, "Wa'al I reckon I've got as fine a dozen chickens as you ever laid eyes on, and they didn't cost me a cent, neither."

A YOUNG MAN ON A FARM.

Who wants a well educated, and well behaved Young Man on a Farm? here is an unusual chance for a good farmer to obtain very excellent assistance in a Young Man who has a taste for Farming and wishes to learn by work.

See advertisement in another Column.



Pollard & Carvill,

MANUFACTURING COMPANY,

Dealers in and Manufacturers of the Finest Qualities of

Clarence Coaches!

LIGHT CARRIAGES

AND

BUGGIES.

Nos. 180 and 182 Jessie Street, running through to Nos. 184 and 186 Stevenson Street.

Repairing, Blacksmithing, Painting and Trimming

Done with Neatness and Dispatch.

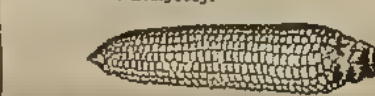
39,9

AZTEC PINOLE,

A DELICIOUS and HEALTHY FOOD, prepared from parched Corn, in the form of fine meal.

VALUABLE

AS A REGULAR ARTICLE OF FOOD,
As a DIET for DYSPEPTICS,
As a FOOD for CHILDREN,
As a REGULATOR of BOWELS,
As a Thickening for Soups,
For Brooding Cattle, Fish, etc.,
For the use of Miners,
For the use of Proprietors,
For the use of Banters,
For the use of Campers,
For the use of Pic-nicers,
For the use of Everybody.



With Hot Milk as Chocolate,
With Milk and Sugar,
With Milk and Salt,
With Cream and Sugar,
With Water and Sugar,
Dry with Salt,
Good in Any Way.

A convenient lunch always ready to moment's notice.

ASK YOUR GROCER FOR IT.

Retail grocers supplied by any wholesaler, or by the

AZTEC COMPANY,

212 Sacramento St., SAN FRANCISCO.



POSTERS. CARDS. CIRCULARS. BOOK AND JOB PRINTING. PROMPT, CHEAP, and GOOD,

At the LARGEST PRINTING HOUSE on the Pacific Coast, the

COMMERCIAL STEAM & MAMMOTH PRINTING HOUSE.

No. 617 Clay Street,

FRANCIS & VALENTINE,

Proprietors.

33-1

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill. We receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes—there is one essential *Pro equitate* that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

THE WESTERN Savings and Trust Co.,

136 MONTGOMERY STREET.

Occidental Hotel Building, San Francisco,

CAPITAL, 1,000,000.00.

H. J. BOOTH.....President
A. G. STILES.....Vice President and Cashier
J. H. GRIFFITHS.....Secretary
H. H. HAIGHT.....Attorney

ROBERT WATT, }
F. S. WEAVER, } Executive Committee.
S. SCHREIBER, }

DIRECTORS:

L. S. ADAMS (of Adams, McNeil & Co.), Sacramento and San Francisco.
H. H. HAIGHT, Ex-Governor, Alameda.
F. L. WEAVER (for Weaver, Taylor & Co.) San Francisco.
P. Taylor, San Francisco.
MON SCHREIBER (of Schreiber & Howell), Sacramento and San Francisco.
ROBERT WATT, Ex-Controller of State, San Rafael.
H. J. BOOTH (of H. J. Booth & Co., Union Iron Works), San Francisco.
ANSON C. STILES, San Francisco.
L. B. HARRIS, San Francisco.
ISAAC LOHMAN, Oakland.
PETER SPRECKLE, San Francisco.

ALL KINDS OF SAVINGS, COMMERCIAL AND TRUST FUND DEPOSITS will be received in sums of not less than three dollars.

DIVIDENDS will be payable semi-annually, in January, and July of each year. No charges will be made for opening accounts.

Loans will be made on security of Real Estate, United States Stocks and other approved securities.

1919.

Alfalfa! Alfalfa!!

This Wonderful Clover has been fully tested the past year in various parts of the State, and in various soils, and crops have been gathered from 6 to 11 Tons to the acre.

FOR DAIRY STOCK,
FOR SHEEP AND
PASTURAGE GENERALLY.

No grass has yielded so large nor so remunerative Crops, and no crop will pay better.

The amount of Alfalfa Seed sold the last year exceeded 200,000 pounds, and the supply was not equal to the demand.

The call for Alfalfa this year will undoubtedly far exceed the last, and it would be wise for those who intend purchasing to buy early as by such means they can secure their Seed, and on better terms than late in the year when the demand is pressing.

The undersigned have received their Seed early this year so as to provide for their Patrons early, and on the most favorable terms.

In addition to Alfalfa we offer also every other kind of Grass Seeds for field culture, viz:

Kentucky Blue Grass, Timothy, Red Top, Red and White Clover, Rye Grass, Hungarian Grass, &c., &c.

The largest and best collection of Field and Garden Seeds offered on this Coast, all at the lowest rates and on the best terms, in fact low as the lowest, and good as the best, and lower than any rival House.

J. P. SWEENEY & Co., Seedsmen,
409 and 411 Davis Street, San Francisco.

39,21

Valuable Tracts of Land.

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These Lands are located in different parts of the State—some in each county from SHASTA down to SAN DIEGO, all good Lands and can be sold on advantageous terms.

This List comprises about EIGHTY QUARTER SECTIONS.

MAPS, LOCATIONS, &c., AT FARMER OFFICE.

JOHN W. ALLYNE, W. U. WHITE.

ALLYNE & WHITE,

SUCCESSORS TO STANFORD BROS.

PACIFIC OIL WORKS,

Importers and Dealers in all kinds of Oils, etc.

Lard Oil, Sperm Oil, Castor Oil, China Nut Oil, Linseed Oil, (Raw and Boiled) Neatfoot Oil, Whale Oil, Polar Oil, Elephant Oil, Tanner's Oil, Lanner's Oil, Blonaco Oil, Signal Oil, Headlight Oil, 175° F. T. Spirit Turpentine, Kerosene or Coal Oil, Machine Oil, Paraffine Oil, Alcohol, Naphtha, Benzine, Gasoline, Tallow.

ALSO DEALERS IN LAMP STOCK.

OFFICE AND STORE

121, 122 & 123 CALIFORNIA STREET,

SAN FRANCISCO.

Manufactory, Taylor Street, North Beach.

20,000 NEWSPAPERS.

We have TWENTY THOUSAND Newspapers—Newspapers of the largest size among our Exchanges suitable for WRAPPING PAPERS for Dry Goods, Clothing, etc.

—ALSO—

TEN THOUSAND

Of the best Agricultural Papers known, comprising our various Agricultural Exchanges from all the eastern States and Europe. Farmers who would like valuable reading matter, which contains choice Essays and Letters on Agricultural matters—can have these at low rates by the Hundred or Thousand. Apply at

FARMER OFFICE

MAIN & WINCHESTER,



SADDLERY

WARE,

Have on hand the finest and best Assortment of

HARNESS WHIPS,
SADDLES, LEATHER,
COLLARS, BLANKETS,
SADDLE TREES, ROBES,
LASHES, ETC.,

ever offered on the Pacific Coast. We particularly call the attention of the country trade to our extensive assortment of Harness adapted for Farming and Teaming use, and also to the Collars of our own manufacture, which we guarantee Superior to any other Collars manufactured.

We are prepared to supply the trade, with any goods in our line at the very lowest prices for Cash or approved credit.

Traders will always receive careful attention.

Nos. 214 and 218 Battery street,
SAN FRANCISCO,

39,17



JUST RECEIVED PER LANT

STEAMER

HE FOLLOWING

Flint on Milch Cows—New Edition.....\$2 50
Flint on Grasses—New Edition.....\$2 05
Harris on Garden Insects—Superb Edition.....\$5 00
Book of Fruits—by Baker.....\$1 50

SPLENDID ENGLISH BOOKS.

WE HAVE JUST RECEIVED
by Express from London a large
assortment of Splendid Works on

Horticulture and Floriculture.

The above are all New Works, or New Editions, of the most valuable Works, and published in the best style.

For sale at the FARMER OFFICE.

WARREN & CO.

FARMERS

AND

GARDENERS

Are invited to examine our Stock of Scientific Books on Domestic Animals, Fruits and Floriculture, and Scientific Farming.

Send for Catalogues. Books sent by mail to any part of the Country.

A. L. BANOROFF & CO.,

721 Market Street,

SAN FRANCISCO.

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Express, charges paid, \$2.50. Send orders to the Farmer WARREN & CO.

Valuable Tide Lands.

ONE THOUSAND ACRES of very Valuable TIDE MARSH LANDS all well located and can be securely Leased and made ready for cultivation at a very moderate cost.

This land is near to tracts of upland suitable for Grazing, and for the Building, so as to make a good farm, this also can be purchased at a moderate cost.

The past year 500 Grains, both Wheat and Barley was grown upon this land, of which samples can be seen at this Office. This is proof of the value of this land.

Other crops have been raised the past Season. Vegetables of all kinds produce large crops, and even when planted late they produce abundantly.

This tract of land is worthy of special attention of any person who wishes a good bargain as it will be sold very reasonable if applied for soon.

These lands are now being fully appreciated, and are considered as among the best lands of our State, and in a few years will be sold at very high figures.

Persons wishing to buy can learn all the particulars and price by addressing S. D. S. at CALIFORNIA FARMER Office.

39,22

TO NURSERYMEN,

TREE DEALERS AND PLANTERS

Our Wholesale Catalogue for Autumn 1873, now ready, and sent FREE to all applicants.

Aug. 15, 1873 ELLWANGER & HARRY,

39,13 Rochester, N. Y.

THE CALIFORNIA FARMER.

Our FORTIETH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of the year and the following year also, thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on this Coast. We trust we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE,

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE

Great Reduction

FOR THE

"California Farmer."

FOR

VOLUME FORTY,

Over 15 Months for Four Dollars

TERMS FOR 1878 & '79:

The following are our Terms for the FARMER:

Single Copies.....\$1.00
Six Copies.....20.00
Ten Copies.....35.00
Twenty Copies.....100.00
Fifty Copies.....150.00

The California Farmer

HAS BEEN ESTABLISHED

TWENTY YEARS,

Circulates over the whole Coast, in every part of the United States and largely in Europe, Mexico and South America.

AGENTS WANTED.

LIBERAL RATES FOR GOOD RELIABLE EDUCATED MEN AS TRAVELING

AGENTS!

THE CALIFORNIA FARMER,

A GRAND ADVERTISING MEDIUM.

CITY SUBSCRIBERS

FIVE DOLLARS PER YEAR

DELIVERED AT THEIR RESIDENCES

BY CITY CARRIERS.

OVERLAND MONTHLY

We have made arrangements with John H. Garmany & Co., publishers of the OVERLAND MONTHLY, by which we are enabled to furnish said magazine in connection with this paper, for the sum of \$7 per annum for both publications. Send in your names.

Subscribe Now.

WARREN & CO., Editors and Publishers.

320 Clay St., San Francisco.



Agriculture.

MECHANICAL METHOD FOR FATTENING POULTRY.

In the Gardens of Acclimatization at Paris it is very scientifically practiced under the direction of M. Odile Marlin. "Its advantages," say the authorities, "do not consist in the rapidity of the process alone, but above all in the special quality of the meat thus produced. It is solid, very tender, exceedingly fine-grained, not over-fat (which would not be an advantage), very white in color, and of a flavor quite exceptionally excellent."

If this is so, of course there is no help for the chickens. They must perforce enter their spinettes, and be mathematically crammed. Be- hold here the ingenious contrivance of the Gar- dens of Acclimatization for manufacturing this "exceptionally excellent" flavor.

It is a huge cylinder with fourteen faces, each in five stories of three compartments each. It holds, therefore, 210 fowls. The cylinder is hollow and empty, except for the axis on which it turns. This hollow construction renders it easily ventilated and kept clean. Before it is a box for the operator. This box, or carriage, moves up and down by pulleys. The gascor—that sounds less offensive than crammer—operates thus: Commencing at the bottom of one of these fourteen faces, he seizes with the left hand the neck of the chicken, and presses on each side of the beak. The bird is forced to open its mouth, as any lady knows who have doctored a sick chicken or canary. The gascor then introduces the metallic end of the rubber tube into the throat of the chicken, and by a pressure of the foot on a paddle the food rises, and at the same time the amount passing through the tube is indicated on a dial in front of the operator. It is therefore a skillful operation; for the gascor, whatever other motions are necessary, must pay strict at- tention to the needle on the dial, or he will give his chicken too much or too little. The three chickens duly fed, he turns the cylinder on its axis a little, and the next face of it is before him. When he has completed the rounds he turns the crank, and the carriage rises to the next story; and so he goes on to the top. Having completed the upper circuit, every chicken in that spinette is duly fed. Then he turns the crank in the other direction, and the carriage descends to the floor, where it rests on a railroad. It is then moved along before the next spinette, and the whole operation on 210 more chickens is repeated. A skillful operator will give, or cram, 400 chickens in an hour! That is less than nine seconds to each one; for the time to move the cylinder, to move the carriage up, down, and to the next spinette, must be counted out.

Under this spinette regime it requires an average of fifteen days to fatten a duck, eighteen for a chicken, twenty for a goose, and twenty-five for a turkey. The food used for chickens is barley and corn meal mixed with milk into a dough so thick that no other liquid is necessary. The ordi- nary quantity given is from ten to twenty centi- meters, or from seven-tenths to one and four-tenths of a gill each time; but this quantity is reached gradually. When the maximum that any chicken can assimilate is found, the number indicating this quantity is placed before its compartment, and the gascor must measure it exactly on the dial.

Truly this is an age of wonders. What a la- bor-saving invention this spinette must be to the chicken! Maybe it is not wise to give these de- tails. What if some enterprising American should be thereby tempted to invest his whole fortune in a grand improved automaton steam-power spinette, warranted to feed ten thousand chickens a min- ute!—Maur Bowland, in Harper's Magazine for October.

THE PROFIT OF DEVONS.

Ward Parker, Esq., sends the Mirror and Farmer a statement of the profits realized. In 1872, from five Devons—four cows and one 3-year-old heifer. He commenced March 1st, 1872, with one cow to make butter; the next cow came in March 4th; the other two came in the first week in April; the heifer came in the 1st of May. The butter sold from the five amounted to \$398; premiums at fairs on the five cows, \$80; three calves sold for \$170; two calves on hand, reckoned at the same as was offered last October, \$128; total amount, \$780. The same cows also furnished all the milk, cream and butter used in the family during the year.

This is the income from the five up to the time they went dry. The same cows all calved last spring, after going dry three months. The calves were fed with skim milk of the cows. The but- ter, milk and cream used in the family, he esti- mates, would more than three times balance the hay and other feed used for the five calves.

This certainly is a good showing. It may be proper to deduct from this \$780 of revenue the \$84 received as premiums at fairs, because that is something which may or may not be realized hereafter, and because we would not advocate the keeping of cattle which would not give a fair re- turn without fair premiums. Still, there is \$696 left, and we believe that amply sufficient to com- pensate any one, and give a fresh illustration of the advantage of keeping thoroughbred stock.

Concise heads—People who go around chuck- ing dice for drinks.

TOP-DRESSINGS AND SALT.

We ask the attention of our Farmers to some valuable hints given by J. J. Meunier in the Jour- nal of the New York Agricultural Society, upon the uses of salt as a manure:

Great mistakes are sometimes made by the use of nitrate of soda alone on poor lands as a top- dressing. It contains very few elements of man- ure, therefore the intensely green and improved color of the crop is, delusive, which I have ob- served, and this is also the opinion of Baron Lie- big (see his "Modern Agriculture," letter 4, p. 53).—I much prefer and always use the best Per-uvian guano, mixed with its own weight of com- mon salt, for in this mixture you have nearly all the elements of plants, excepting potash and sil-ica. A comparative trial in the same field will give satisfactory evidence when the crop is har- vested. With nitrate of soda the growth of straw is forced, and it is often mildewed. There are cases where nitrate of soda is advantageous, such as on soils abounding in phosphate of lime and other fertile elements.

Common salt I have used much the last twenty- five years, and am convinced of its advantages on drained and well-farmed land, especially on light land; for where salt is used the moisture of the air will be more appropriated and retained. About five o'clock one fine summer's morning, I noticed that where the salt had been sown the previous day, every grain of salt had attracted to itself the dew, and formed on the surface of the ground a wet spot about the size of a sixpence, the ground being generally very dry. On our light lands it consolidates them, and makes them especially firm and acceptable to the wheat plant, whose straw will stand firm and erect, although 4½ to 5 feet long. It is also unfavorable to certain weeds by this consideration. It prevents the ravages of wire worm. It is especially favorable to saline plants, as mangold, whose ashes contain fifty per cent. of salt. I never sow guano, except mixed with its own weight of salt. Like everything else, it had, I am sorry to say, greatly risen in price. I observe that all crops seem to thrive well on land near salt water, especially where the land is drained. Lumps of rock salt should al- ways be placed in mangera for horses or cattle; their instinct teaches them when to avail of it. The spring consolidation of light land, where wheat is sown, by salting and heavy cross-hilling, greatly benefits the crop; very light hand-hoeing should follow these operations, although frequent hoeing is scarcely required. Liebig, in his "Natural Laws of Husbandry," esp. xli, p. 335, correctly describes nitrate of soda and common salt as "chemical means for preparing the soil." Referring to the experiments, he says (p. 337): "In both these series of experiments, the crops of corn and straw were remarkably increased by the addition of common salt; and it is scarcely necessary to repeat that such an augmentation could not possibly have taken place unless the soil had contained a certain quantity of phos- phoric acid, silicic acid, potash, etc., capable of being brought into operation, but which without common salt, was not assimilated." Liebig also says (p. 340): "The grass of a meadow which has been manured with common salt is eaten by cattle with greater relish, and preferred to any other; so that even from this point of view com- mon salt deserves attention as a manure."

FORESTS AND FRESHETS.

Most earnestly do we commend the following truths in relation to the influence of Trees, which we find in an English Exchange:

At the current meeting in Portland of the American Association, Dr. Hough, of Albany, read a paper on the rain-fall and its relations to forests. He had carefully analyzed the returns of the rain gauge for a term amounting to 2,000 years, and from these he had at- tempted to deduce a law of secular changes in the fall of water. But the returns did not justify it. They show marked variations from year to year, and reveal irreg- ularities at every locality, and they also indicate great tendency to drought for years together. Dr. Hough strongly reinforces the doctrine of the relation of forests to the flooding of streams, and in so far bears out the argu- ment of the State Commissioner in reference to the preservation of the Adirondack woods. In a cleared country water flows quickly away to the streams; these are at once at high-water, and then a season follows when water is not to be found. The actual effect of the evaporation of rain drops on the leaves and the chemical action which goes on in the plant is obvious in the humi- dity and temperature of the atmosphere where trees ex- ist. One can observe this in a casual glance at open fields, the sunburnt look of one which is treeless in contrast with the fresh and verdant appearance of the enclosures in which clumps of trees are found. Houses shaded by trees are damper than those not so protected. In the dryest season, one who walks in the country will notice a sensible change in passing from a treeless waste to the vicinity of a forest or into the forest itself.

The necessity of tree-preservation for economic uses cannot be overrated. The supply of lumber is rapidly falling. In Europe the forests are regulated by law, and crops of trees are harvested in rotation and upon a definite and pre-arranged system. France has altogether 13,225 square miles of protected forest. The code by which they are governed dates from the time of Colbert, who was a master hand in regulation and state inter-ference. He showed as great wisdom in this code as in any other branch of his system of administration. By the Colbert Code "oaks were not to be felled till ripe, that is, able to proper another thirty years." The French have carried their system to Algeria, and have already added several rainy days to July and August. In this country, the French system is impossible. The State owns no forests and the work of preservation and care- ful husbanding must proceed from the people. One gen- eration will plant for another, and the same sapling to- day will be a forest monarch fifty or a hundred years hence. No crop would be more valuable; no investment more certain. As Dr. Hough says: "It must come to be understood that a tree or a forest planted is an in- vestment of capital, increasing annually in value as it grows—like money at interest—and worth anything what it has cost, including the expense of planting, and the interest which this money would have earned at the given date."

Waste spots should be planted and the increased value of farms, whose roadways are lined with trees, should be made apparent to all. There is wealth, and health, and comfort in this suggestion.

TEN REASONS FOR UNDER-DRAINING.

The following ten reasons are worthy of being committed to memory:

1. It prevents water which falls from resting on or near the surface, and renders the soil dry enough to be worked at all times.
2. By rendering the soil porous or spongy, it takes in water without flooding in time of rain, and gives it off again gradually in time of droughts.
3. By preventing adhesion and assisting in pul- verization, it allows the roots to pass freely through parts of the soil.
4. By facilitating the mixture of manure through the pulverized portions, it greatly in- creases its value and effect.
5. It allows water falling on the surface to pass downward, carrying with it fertilizing substances, (as carbonic acid and ammonia), until they are arrested by the absorption of the soil.
6. It abstracts in a similar manner the heat con- tained in falling rains, thus warming the soil, the water discharged by drain-mouths being many de- grees colder than ordinary rains.
7. The increased porosity of the soil renders it a more perfect non-conductor of heat, and the roots of plants are less injured by freezing in win- ter.

The same cause admits the entrance of air, fa- cilitating the decomposition of enriching the soil.

8. By admitting early plowing, crops may be sown early, and an increase amount reaped in con- sequence.

It economizes labor, by allowing the work to go on at all times, without interruption from the surplus water in spring, or from a hard baked soil in summer.

PLACE WANTED FOR A YOUNG MAN.

A situation is wanted for a Young Man of 15 years of age on a Farm in the country. The Young Man is well educated, healthy and strong. His Parents desire he should be trained on a Farm for which he has a strong predilection. Any Farmer who wishes such a Young Man who will train him to the knowledge of Farming and treat him well can learn of him by addressing G. A. B. at Farmer Office.

WORK AS MEDICINE.

There are some great troubles that only time heals, and perhaps some that never can be healed at all; but all can be helped by the great panacea, work. Try it, you who are afflicted. It is not a patent medicine. It has proved its efficacy since first Adam and Eve left behind them, with weeping, their beautiful Eden. It is an official remedy. All good physicians, in regular standing, prescribe it in cases of mental and moral disease. It operates kindly and well, leaving no disagree- able results.

GRAINS WE EAT.

Of all cereal grains Rice is the most extensiv- ely cultivated, and feeds the greatest number of human mouths. If we were to classify the hu- man inhabitants of the earth according to their preference for peculiar cereal grains, the rice eaters would hold the first place. The second would be disputed by the consumers of maize and of wheat. The population whose staple grains are rye, oats or barley, would occupy the fourth place.

STILL COMING IN.

There seems no falling off in the number of wheat loaded teams daily passing through Main street on the way to the Landing, and the amount received at this point for storage and shipment ex- ceeds that of last year at this time; and it is be- lieved the total of that received and that yet to come forward will considerably exceed the total of last season.—The Contra Costa Gazette.

EUREKA POULTRY YARDS,

Corner Alca and Fifth Streets, OAKLAND, ALAMEDA CO.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly mated for Breeding, at the following low rates:

	Per Pair.	Per Trio.
Light Brahms	\$10.00	\$15.00
Dark do.	12.00	18.00
Buff Cockin	12.00	18.00
White do.	12.00	18.00
Black do.	12.00	18.00
Partridge do.	18.00	26.00
Houdan and White Leghorns	10.00	15.00

Also Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Geese-keepers. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$0.40 per Dozen, Two Dozen in any order for \$10.00. Satisfaction Guaranteed in all cases. Mammoth Bronze Turkeys Bred from First Prize Imported Stock weighing 64 pounds the Pair. First Prize Cocks at \$20.00, Hens at \$15.00. Prices at \$25.00. Parties wishing Birds for Exhibition, will do well to corre- spond with me and ascertain special rates. Birds Imported on Commission. Please send for Circular and Price List. Address P. O. Box 1874, San Francisco, Cal.

Please state where you saw this Advertisement. 40.1

Standard Dundee GRAIN SACKS.

22x36--Hand-Sewed--Extra Weight.

FOR SALE IN LOTS TO SUIT, BY ROSS, DEMPSTER & CO., 22x36 105 and 107 California Street.



LELAND STANFORD, President. H. F. HASTINGS, Vice President. JOS. CRACKBON, Secretary. Schreiber & Howell, General Agents, Home Office.

STUDEBAKER WAGONS



"Standard" Wagons of the Pacific Coast.

FOR QUALITY, DURABILITY, LIGHT RUNNING, GOOD PROPORTION, AND EXCELLENT STYLE.

They have No Peer.

IRON AXLE, TRIMBLE SKIN, HEADER, and SPRING WAGONS, Of all sizes, with HEAVY TIRES riveted on, always on hand and sold for \$75 to \$175.

Having established a Manufactory to build Wagon, Beds, Brakes and Seats, I am better prepared than ever to furnish.

JUST THE KINDS OF WAGONS NEEDED.

The attention of Dealers is especially requested. E. E. ADIES, General Agent, Factory and Depot, 317 and 319 E. St. Sacramento.

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

108 & 110 Front street and

12 & 14 Pine street, SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers, Sweepstakes Threshers

ROLLINGSWORTH BULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW, all sizes from 7 to 18 inches.

The DEER PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE "COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 26 inches.

BOSTON OLIPPER PLOWS, all sizes, PEORIA PREMIUM PLOWS, all sizes,

OAST IRON PLOWS, all sizes, OAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT OAST STEEL SIDE HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double, Also a full Stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO., 108 & 110 FRONT STREET, SAN FRANCISCO.

OIL CAKE MEAL

THE BEST FEED KNOWN

FOR LIVE STOCK

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing. description of feed so greatly promotes the health of cattle in the dairy business, milking and fattening stock, or was growing, to give it a trial, feeling confident that they would find it a very great value. By those who have used it they say, ONE pound is pronounced to be equal to two pounds of any other feed. In the United States Government Report of the Department of Agriculture for 1883, it stands in the following relation to other feeds as to the percentage of flesh produced from a hundred pounds of feed, viz: Indian Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 18 per cent; Oil Cake Meal, 23 to 100 per cent. For those taking particular notice to all stock-raising, to render change of weather or over-driving, say so equal.

FOR MILK COWS it is particularly valuable, increases the quantity of milk and improves its quality to a far greater extent than any feed known. A suitable quantity for them at the commencement is one quart in the morning and one at the evening, either alone or mixed with any other feed. A quart of any kind. It improves it to make it for six or eight hours, the effect being to increase the milk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES it is a small quantity given daily promotes their health, and is especially valuable for them, when chilled or injured from over-driving. It is one of the best remedies known for horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and evenness and gloss of the hair.

FOR SHEEP there is no article of food known that pro- duces such fine mutton or so promotes the growth of wool as Oil Cake Meal. It is one of the best remedies known for sheep subject to the Rot or Rickets, and greatly increases the cleanliness and evenness and gloss of the hair.

At present price (30c per ton), it is the cheapest feed known. It is now selling in New York at \$45 per ton, sold at \$50 per ton in England, where it has been proven for long time to be in every respect the most profitable feed known for stock of all kinds—one ton being fully equal to three tons of bran. The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manufactory, King Street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET, Sacramento.

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

21 and 23 Barclay Street, NEW YORK

WALTER BROWN, HENRY T. BROWN.

Consignments Solicited, and advances made if required. 1-22-1v

JAMES CAROLAN & CO.,

IMPORTERS OF

Foreign and Domestic

HARDWARE

Agricultural Tools.

Baling Wire and Rope,

CUTLERY & C.

COR. FRONT and J. STREETS.

SACRAMENTO.

39.13

Cashmere Goats.

The undersigned desires to call the attention of who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale. He has on hand and now ready to deliver Pure Bloods, Half Breed, and All Grades up to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located five miles from the Railroad Depot. For further particulars, address

N. GILMORE, Eldorado, Eldorado Co. N. B.—The undersigned can particularly refer to the Editor Farmer for the excellence of his Band of Cash- mere Goats. He can also give particulars. N. G.

SAGSI BAGSI BAGSI!!! Messrs. Ross, Dempster & Co., large Importers of Grain Bags, are offering them by large Involves to the trade, this House will them by Millions and usually.

THE CALIFORNIA FARMER, SAN FRANCISCO.

THURSDAY EVENING. OOP. 9, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

330 Clay Street—Marble Building—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Models of all productions—Grains, Fruits, Seeds, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first. This is believed to afford the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the rights reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with the paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to do the same.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

S. M. PETERSON & Co., 10 State Street Room 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall call their attention to such articles in our issues of the journal, to which we would direct their special attention.

OUR NEW VOLUME.

We XL, upon entering our Fortieth Volume, and think we can claim title to XL, for our Field has been excellent to carry us on for Twenty Years.

Home readers should peruse "Barry Fox's" Marriage Counsel, Rating, &c.

Vine Growers will find valuable information on 19th Page.

Our Cultivators will find important matters on 18th Page, Forest Culture, Under-draining, Poultry Raising, &c.

Our European Letter this week contains very important facts for our Producers to notice, as the condition of the crops in Europe must materially affect the Farmer's interests here.

We have from "Gray's Emporium of Music" a New Piece, words and Music by Stephen Massett, Esq., the well known (Jenny's) Pipes of Pipeville, whose wit and Song has done much to make hearts merry.

This New Song is entitled "Happy as a King," and Dedicated to "Miss Ruth Eugene Vallejo," the Song and Music is a capital one to "Drive dull care away."

CATALOGUES.

We have just received the New Catalogue of T. A. Garay, Esq., the Grower of Semi-Tropical Fruit Trees of Los Angeles, to whose Card in our Columns we call special attention.

We have received the handsomely illustrated Catalogue of J. O. Schmidt, at Erfurt (Germany).

Mr. Schmidt is the Seedman and Nurseryman who supplies the Emperor of Germany, and King of Prussia—his collection embraces all the choicest Gems of Europe.

INDICANCES.

We ask a kind indulgence for all seeming neglect of our office Correspondence, as we have been absent at Fairs the last four or five weeks—fairly over we will make up for all.

GRATEFUL THANKS.

We express our very grateful thanks to those of our Patrons who meeting us at the Fairs have voluntarily aided us on in our work, and those to whom we are indebted for many courtesies shown us, also, to those generous ones whose liberal remembrances in Fruits, &c., we shall hereafter note in full, God bless all liberal hearts.

A Notable Exhibit.—We saw at the San Jose Fair, two very neat and handsome Embroidered Collars, made by an old Lady of 78 years. The work was done in Two Days, a feat of Industry and Skill that but few of our Young Folks can equal.

MEET US AT THE FAIRS.

We shall be truly grateful, and esteem it a special favor if our Patrons will meet us, and make themselves known to us at the Fairs, as we are desirous to secure all the information possible—our Patrons can do us a great favor by forwarding us all the items they can of interest in the cause of Agriculture and Stock Raising, they can also receive from us something that will fully recompense them for the interest they take in this matter.

OUR ANNUAL FAIRS.

THE SAN JOSE FAIR.

This Fair opened as per their announcement on Tuesday, and under the favorable prospects of a Good Fair.

The Exhibition Hall was over the New Market, on Market street, a much better Hall than the Society ever had before.

The Hall walls were decorated with a very large collection of Oil Paintings, Chromos, and Drawings, and also various Fancy Pictures which gave life and animation to the Hall.

The entrance way and outer Hall was used for Vegetables and Grains of all kinds—the Main Hall used for Fruit, Flowers and Miscellaneous articles, of which the Hall was well filled, mostly however by the latter, and these many of them being as an advertising medium.

FRUITS.

B. S. Fox, the Nurseryman and Orchardist, made a Grand Display, consisting of 80 Dishes of Apples—all superior specimens—many really superb, we note the Alexander, Thompson's Orange, King Northern Spy, Norton's Melon, San Davis, Baldwin's Quince, 20 oz. Pippin, St. Lawrence, Nicolaus Hoover, Buff, Nonpareil, Marston's Red Winter, Blue Pearmain, Jewett's Red, and many other very fine varieties.

Mr. Fox has also of Pears 91 Dishes, of these are very superior in size and beauty. We note as new Doyenne du Commerce, Ouselet, Wrentham, Howell, Marshall Dillon, Omar Pachas, Lawrence, River's Winter Pear, Pico the 9th, (Superb Golden) Beurre d'Angouleme, and all our best Standard Pears, like the Beurre, Duchesse, Doyenne d'Alencon, Beurre d'Angouleme, de Hardy, de d'Arnsberg, the entire collection of Pears, very superior.

Mr. Fox had also 8 Dishes of choice Plums, Walnuts, Chestnuts and Medlars.

J. R. Lowe, a small but choice collection, 12 Dishes of Apples, 12 Dishes of Pears, these Beurre d'Angouleme, Winter Nellis and Seckle, each and all select.

D. E. Galt, 3 Plates of Superior Apples; John Rock, the well known and skillful working Nurseryman, made a very handsome show, 25 Dishes of Apples all very fine specimens—25 of Pears large and choice, samples of Beurre d'Angouleme, de d'Alencon, Seckle, Nellis, Duchesse, &c., also 3 Dishes of Quinces—five, 9 of handsome Peaches, 5 of Plums, 1 of Pomogranates, and 4 of Grapes, several new Seedling Peaches—very choice.

Wm. Boots showed a Box of fine English Walnuts.

John McKeloe exhibited 3 Dishes of Hoover Apples, 3 of Fallon Oiling Peaches, 2 of German Prunes, and 2 of Quinces—a choice group.

Mrs. Joseph Lee, San Jose, made a very fine display, 13 Dishes of Apples, Lady Sweeting, Vandevere, Spitzenberg—extra, 4 of Pears, Pippin Beauty, (superb), Nellis, Grey Botter (large and fine) and Pound Pear, 4 Dishes of Peaches—five, 2 of them Seedlings—extra fine Free Stone, 1 Dish and a Branch of Quinces, of very extraordinary size, some weighing 3 lb. 3 oz.

Mrs. Lee made in addition a display of Jellies and Jams, 28 glasses, and her table was decorated with two Superb Bouquets of Dried Grasses, which added to the general fine look of her collection.

L. E. Gould made a fine show of Dried Fruits, Peaches, Apples, Plums, Prunes, Apricots, Pears, Blackberries and Currants. These specimens put to shame all the show Dried Fruit Imported, almonds also were shown by Mr. Gould—his collection did him great credit.

Isaac Dixon showed 12 Dishes of splendid Grapes, 1 Jar of Grape Syrup—1 Bottle of Vinager—these Grapes were all of the choicest kinds, one large bunch weighing 3 lb. 3 oz.

S. R. Stockton, of Gravel Ridge Vineyard, showed 45 Dishes of Grapes—a very handsome collection, many choice varieties, also a collection of Wines made at the Vineyard.

The Dawson & Co., Manufacturers of Sealed Goods, Fruits of all kinds, Jellies, Jams, &c., made a large and very fine display—very highly creditable to them. Let our Citizens look upon such exhibits and then resolve not to buy Imported goods.

A fine exhibit of Preserves and Jellies by Mrs. R. Montgomery.

Capelli, Bertram & Co., San Jose, made a display of Fruit, an entire Table, 84 Dishes Apples, Pears, Peaches, Plums, Grapes, Almonds—many fine specimens, also a collection of Seeds, and Dried Fruits—Blue Pearmain, the best ever shown in this State, the whole exhibit very creditable.

J. Deasomone & Co., a Fruit Stand, San Jose, very large Apples, and extra Peaches.

PLANTS, FLOWERS AND BOUTIQUE.

At the entrance of the Hall are Two Large Pyramidal Stands, some 15 feet high, Wm. O'Donnell, the Pioneer Florist, of San Jose, furnishes the one at the right hand, and John Rock, the Nurseryman, the one at the left; both Stands well supplied with choice and healthy Plants, the base of each stand being embellished with superb Dahlias, Roses, &c., making a handsome set off. Wm. O'Donnell exhibited many very Rare Plants to add the Fair—not for any Premiums, his Stand of Hardy Plants are extra, and his Exhibition has done him honor.

Mr. Rock deserves credit for his collection, as these exhibits are made for the Public good, the Premiums are not as liberal as they should be for so valuable an industry, his Stand opposite M. O'Donnell's, was a Grand exhibit, many very choice and rare Plants.

L. F. Sanderson, of the Riverside Nursery, another of our Prominent Florists, made a fine show in the Centre of the Hall, a very large collection of really Choice Plants, many very new, some superb varieties of Ferns, and Variegated Plants; Begonias, Coleas, and others, also a Streptocarpus in bloom.

Mr. B. also exhibited a Bank of Cut Flowers,

Roses, and Taberones, whose fragrance filled the air, also a superb Cross and Wreath, 2 Tables and 4 Hand Bouquets—truly very beautiful.

In addition there were 5 very fine Hanging Baskets 2 of them really superb.

This collection is one of the Richest and Best ever made in San Jose, and equal to that at any Fair. Mr. S. deserves great credit for his earnest work.

DELIAS.

B. S. Fox made a very fine show of choice Dahlias—New Varieties, also splendid New Roses. John Rock exhibited a collection of Splendid New Dahlias and Roses.

L. F. Sanderson displayed a collection of New and Choice Dahlias and Roses.

O. Feistad a Branch with superb Oranges, grown at San Jose.

Mrs. Lee exhibited a Leaf and a Flowering Branch of the Century Plant.

GRAINS.

Barley and Oats by John Trimble.

Wheat, Bar, by John Standfield.

Wheat and Oats by Frank Hamilton.

Oats by Isaac Hobson.

2 Sacks Wheat by Thomas Scully.

2 Sacks Wheat by Wm. Quinn—extra.

Mr. Quinn raised 950 Bushels of this superior Wheat from 1050 pounds of seed.

1 Sack Barley by Wm. Boots.

1 Sack Wheat by J. Dixon.

1 Sack Flax Seed by J. Dixon.

1 Sack Wheat by G. E. Scott.

1 Sack Oats by P. E. Scott & Co.

VEGETABLES.

O. G. Wells, Reels, Rhubarb and Melons.

John Trimble, Onions—extra fine and large size.

Wm. Boots Onions.

James Bardeen, of Salinas, Mammoth Squashes, one weighing 228 pounds.

O. T. Little, several Mammoth Squashes, from 70 to 100 pounds.

Capelli Sorval & Co made a very good exhibit of Vegetables of all varieties.

Moloney & Corkery, Half Moon Bay, Fine Potatoes.

BACON, HAMS, LARD, &c.

A very extra fine exhibit was made of these by J. Delmas—the best show made in this State, really very fine.

A. Mitty made a good exhibit also, of Hams, Bacon, Sides and Sausages.

AGRICULTURAL IMPLEMENTS.

A large increase of Implements for the Farmer were shown this year at all the Fairs, at this Fair the following:

M. Henson & Williamson, of Stockton exhibited their noted Chisel Cultivator, a grand machine to thoroughly pulverize the soil, a splendid 4 Gang Plow, a Grain Lifter, and their famous American Chief Gang Plow. As Manufacturers this Firm has done nobly.

D. McKeloe, of San Jose Foundry, exhibited Horse Powers, Harrows and many large implements.

M. G. Hawley & Co., San Francisco, made a large and excellent Exhibition, Plows, Reapers, Wagons, Grain Mill, Hay Cutters, and the Reaper Knife Sharpener—all excellent implements.

Pfeister & Co., San Jose, exhibited Wagons, Plows, &c.

Austral Bros., showed Plows and various implements.

CARRIAGES.

W. T. Adel, San Jose, exhibited 2 fine Carriages, 2 Horse and 1 Horse.

Johnson & Reardon, 2 Open Buggies—very finely finished.

Haskell & Mott, 2 Buggies, and 1 Family Wagon.

C. J. Brockett exhibited one Family Wagon.

The Kimball Manufacturing Co., San Francisco, exhibited superb Carriages, one O Spring, and 1 Blipho, Open Buggies—both highly finished, and with their new cushion seats—a grand improvement—this Company are sending out as splendid work as any made in the country.

DOMESTIC BAKERS.

The Star Bakery, a Fine Lot of Bread.

E. Von Bagby, also Bread various kinds.

Mrs. R. Montgomery, a Collection of Bread and Cakes.

Mrs. H. E. Hills and Mrs. L. J. Watkins, showed Bread and Cakes of various kinds.

Mrs. Montgomery had Fine Preserves.

WORKS OF ART—WAX WORK.

Mrs. Yankon made a very fine display of Wax Work, one Vase (square) superbly done to the life—also a Head holding a Flower.

Mrs. Chas. W. Clark, a Water Lilly (perfect) also, Case Shell Work, and a Vase of Flowers, all show the work of a true Artist.

Mrs. T. J. Watkins, a Vase of Flowers, very beautiful, and a Vase of Shells, (Wax) superb.

Miss Annie McKeloe, Wax Flowers, very choice work.

Mrs. H. B. Kelly, a Vase of Wax Fruits, very finely done.

Mrs. J. O. Chandler, 2 Vases real Shells, finely arranged, and a Vase of Shells in Wax, both in fine taste.

SWISS DAIRY.

Thomas Ben & Son exhibited 4 Cheeses of very superior quality.

Isaac Dixon Cheese also superior.

Dishes of very fragrant Butter was shown by Mrs. J. L. Armstrong, Mrs. L. J. Watkins, H. Barrie, Wm. Boots, P. Reardon, and Mrs. O. W. Pomeroy, where there were many fine samples it was difficult to decide, yet our humble judgment would prefer the butter by Mrs. Pomeroy as very superior.

CALIFORNIA SILKS, RIBBONS, &c.

Brown & Peabody made quite a show of Spool Silk, Flowers, &c., from their Factory on Market street.

Joseph Green exhibited a collection of rich Rib-

bons woven by himself and wife only—they are earnest and hard workers for our silk interest, and should be encouraged, their Factory is on 22d and Market streets—the Ribbons are truly of superior quality.

MISCELLANEOUS.

SAN JOSE WOOLLEN MILLS.

The Exhibition of this Company was a grand one, and those who labored to build up this institution may well be Proud of it.

Whatever other Mills may do, no better goods have never been made in California, and as to the display of their Blankets, there has never been more superb Blankets made in America or Europe, and if the samples shown here at this Fair, had been at the Vienna Exposition, this Company could have shown the Gold Medal, here at this Fair and have beaten the world.

We must say Judge Peckham, the able Manager of the Woollen Mills, deserves great credit for the success that attends the Mills by his untiring efforts.

Mrs. Sanfrigon made a very fine show of Cocoon, large and full, with the Silkworm Eggs, Reeled Silk, &c. Mrs. S. is one of the noble industrialists of our State, that does not allow her faith to die out in the science of "Silk Culture."

Servais Tonnar exhibits a large Sofa and 3 Arm Chairs, of Rostic work, beautifully inlaid with Pearls (from Abolons), also 5 Hanging Vases of the same material.

Mr. T. also shows Indian and Japan Caricatures.

Goodwin & Co., a large collection of Furniture.

W. G. Badger & Co., Planes and Organs—a splendid exhibit of Wood & Co's make.

T. W. Spring & Co., a large Show of Chromos on the walls.

J. S. Wood, Hats, Caps &c.

E. J. Wilcox, Shoes, Boots, &c.

Santa Clara Tannery, a very fine exhibit of Leather of all kinds, with Oshmere Goat Skins tanned for Hats, Buggy Robes, &c.—this exhibit was highly creditable.

Domestic Carpet from San Francisco.

Shell Toilet Table by Mrs. J. W. Hammond—fine.

Chemical Paint of San Francisco, a large exhibit in variety—a material of great value, California Industry.

San Jose Foundry—the Fountain in the centre of the Hall, and several smaller Fountains of handsome designs—very meritorious.

Paul Lotz exhibits his Bird Cage—a fine design, Tullie Lotz, the Shepherd and Elk—carved work very fine.

A large number of Penell Drawings from the Pencil of Mrs. Curtis, of the highest order.

The Red Bird of Kentucky, brought Home by Mrs. Col. Younger from Missouri—a beautiful creature.

Geo. Brewer, a True Genius, exhibits a Plaster Cast of the "Christian Graces"—most admirably done—he also shows his Lad from "Sweet Erin" driving his Pigs to market, going as he supposes to Limerick while he is on the road to Cork. The Picture of the Man and Pigs are capitally done, yet only in clay. Mr. Brewer deserves a Prize to cheer him on, as he will surely make a success of this his work.

A fine Model of a Grecian Face also exhibited by Mr. Brewer.

The Excelsior Marble Works made a very fine display, Messrs. DeLong, Coombs & Co., showed splendid Mantelpieces with rich sculptured fronts—extra fine, the work of Mr. Coombs reflects great credit upon him as an artist of Genius and Skill, worthy of encouragement.

In his collection is a Monumental Slab, for the late Capt. J. M. E. Lewis of Contra Costa, the perfect likeness of Mr. Lewis on the front, this Slab was the work of only 8 days by Mr. Coombs, a most excellent piece of work.

Mr. J. Wolgemuth exhibited in the collection of DeLong, Coombs & Co., a full length figure of the "Angel of Hope," cut out of the Free Stone of the Valley—a very creditable piece of Statuary.

Orrey Peabody exhibited a Jar of Cracked Corn, the relief of his Journey over the Plains in 1849.

E. Pomeroy exhibits the Boston Gazette of 1770, New York Post of 1783, the New England Journal of 1778—Grand old Relics.

Mrs. Demar made a very handsome display of Human Hair in all styles to meet the wants of the Empress, Fashion, Mrs. Demar appears like a skillful artist.

A notable piece of work was that of Mrs. J. Griffin a Lady of 78 years, being 2 Collars embroidered in two days and neatly done—a worthy example for our Young Girls and Women.

The Report of the Stock and Stock Grounds in our next.

FARMERS SHOULD NOT COMPLAIN.

About one year ago our Farmers were selling their Grain at \$1.00 @ \$1.50 per cent; and today they realize \$3.00 @ \$2.15, and extra, \$2.25, this is 50 per cent. better price.

One year ago they paid 10 @ 20 cents for their Grain Sacks, and today they can buy at 12 @ 13, here too a saving of 50 per cent. a cental of Grain, there was \$1.80 less sacks, \$1.40, now—\$2.25 choice, less sacks 212—over 50 per cent. gain—and yet many still complain.

COTTON IN SAN JOAQUIN VALLEY.

Henry Miller, Esq., of the Firm of Miller & Lux planted 50 acres Cotton this year, from 10 acres of it that made a tolerable good stand, there will be about 10 Bales choice cotton, this is a beginning by this Firm of practical work of value.

For an Irrigated Throat, Cough or Cold "Brown's Branchial Troches" are offered with the following Confidence in their efficacy. They maintain too good reputation they have justly acquired.

THE HARBISON NURSERY.

Attention is now particularly called to the advertisement of J. S. Harbison, Esq., of Sacramento, the well known Apician, who also has been largely engaged in growing Ornamental and Fruit Trees.

Mr. Harbison now offers for Sale some 25,000 Ornamental and Fruit Trees at a very Great Bargain, as he desires to close out his entire Nursery this fall, as advertised, for the purpose of giving his entire time to his several Apician, Mr. H. being the most extensive raiser of Bees on this Coast, and being well skilled, his success has been great. Mr. H. has sold his present year about 800 Hives of Bees from his several stations mostly Italian, and has made and mostly sold about 35 Tons of superior Honey and 1,000 lbs. Beeswax.

To this Industry Mr. H. will now apply himself exclusively, therefore the Trees named above are Sold, they are the best in quality, finely grown, good form, and purchasers of Trees will do well to give early attention to this Lot of Trees, and make their first selection and thus secure Bargains.

THE OHIO FAIR.

This Fair was a very creditable Fair indeed, the Stock shown was all fine, while the Exhibition at the Hall was most excellent in Fruit, Grains, Vegetables, Works of Art and Genius.

The Agricultural Implements were all of the best character, the Carriages and Harness and other Industries excellent.

We regret that we cannot give details this week, but we desire to do full justice to this Exhibition, and in this number we are full, it will be given altogether in our next.

TEN REASONS FOR UNDER-DRAINING.

The following ten reasons are worthy of being committed to memory:

1. It prevents water which falls from raining or near the surface, and renders the soil dry enough to be worked at all times.
2. By rendering the soil porous or spongy, it takes in water without flooding in time of rain, and gives it off again gradually in time of drought.
3. By preventing adhesion and assisting in pervaporation, it allows the roots to pass freely through parts of the soil.
4. By facilitating the mixture of manure through the pulverized portions, it greatly increases its value and effect.
5. It allows water falling on the surface to pass downward, carrying with it fertilizing substances (as carbonic acid and ammonia), until they are arrested by the absorption of the soil.
6. It attracts in a similar manner the heat contained in falling rains, thus warming the soil, the water discharged by drains months being many degrees colder than ordinary rains.
7. The increased porosity of the soil renders it a more perfect non-conductor of heat, and the roots of plants are less injured by freezing in winter.

The same cause admits the entrance of air, facilitating the decomposition of enriching the soil.

STATE FAIRS.

OREGON STATE AGRICULTURAL SOCIETY.
Annual Fair at Salem, October 5th to 11th inclusive.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.
Annual Fair at Jackson, October 12th to 15th inclusive.

MICHIGAN STATE AGRICULTURAL SOCIETY.
Annual Fair at Raleigh, October 14th to 18th inclusive.

MARYLAND STATE AGRICULTURAL SOCIETY.
Annual Fair at Baltimore, October 22nd to 26th inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Richmond, October 28th to 31st inclusive.

ST. JOSEPH FIRST INDUSTRIAL EXPOSITION.
Fair at St. Joseph, Missouri, commencing September 29th, to continue several days.

MISSOURI STATE AGRICULTURAL SOCIETY.
Annual Fair, St. Louis, Oct. 6th to 12th inclusive.

GEORGIA STATE AGRICULTURAL SOCIETY.
Macon, October 27th, to November 1st.

NORTH CAROLINA STATE AG. SOCIETY.
Annual Fair at Raleigh, Oct. 13th to 18th inclusive.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.
Annual Fair, at Jackson, Oct. 13th to 18th inclusive.

SOUTH CAROLINA STATE AG. SOCIETY.
Annual Fair at Columbia, Nov. 4th to 7th inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Richmond, Oct. 28th to 31st inclusive.

COUNTY FAIRS.

SANTA CRUZ DISTRICT FAIR.
Fair at Santa Cruz, October 16th, 17th and 18th.
The Fair managed by the "Farmer's Club."

SUNOMA AND MARIN DISTRICT.
Annual Fair at Petaluma, Oct. 6th to 11th inclusive.

SOUTHERN DISTRICT AG. SOCIETY.
Fair at Los Angeles, November 10th to 15th.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE

With a wish to promote and encourage extensive Travel over our glorious State, we shall point out to the Traveler on the leading routes the best Hotels, and most commodious and comfortable homes for those who journey for Health, Pleasure, and Knowledge.

The following are the best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend them of whom we speak from personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GEYSER ROUTE.
Via Steamer and Railroad.
The new Hotel..... Wapiti City.
California Hotel..... Calistoga.
BIG TREES OF CALAVERAS.
Via Western Railroad and Capperopolis.
Yosemite Hotel..... Stockton.
TO THE CAPITAL—SACRAMENTO.
Via Steamer and Railroad.
Golden Eagle Hotel..... Sacramento.
SAN JOSE, ALMADEN MINES, &c.
The Anacostia Hotel..... San Jose.
BIG TREES OF MARIPOSA.
Via Stockton by Railroad and Stage.
Clark & Morse's Hotel..... Clark's Station.
YOSEMITE VALLEY.
Hatchings' Hotel..... Yosemite Valley.
MARIN COUNTY.
Mario Hotel..... San Rafael.
Travelers who are strangers can rely, that at these Hotels they will ever find the best and kindest attention and court. It will never be imposed upon by exorbitant charges.

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity to our Cause and to our State, Journals that will extend California interests and speak of our State as she deserves, will receive our first consideration.

We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and, as we pay the Postage this side on all we shall continue, others will receive due notice of our declining Exchange.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us Free—at all months or weeks of the year—this is our custom, those who are in want should always call when in the city and shall be glad to see them.

RAILROAD TRAVELING.

We give on our outside Page a complete List of all the Routes of the CENTRAL PACIFIC, WESTERN and SOUTHERN PACIFIC RAILROADS, with TIME TABLES complete, together with STEAMBOATS and their TIME TABLES, all corrected and complete, for reference, and for all travelers.

New Advertisements.

Established 1853.

Stock for Nurserymen and Florists.

TERMS CASH.

Cherry Seedlings, Mazzard,	\$1.00	per 1000
" Mahaleb,	20.00	" 1000
Apple Seedlings,	12.00	" 1000
Pear Seedlings,	15.00	" 1000
Walnut, English, 4 to 6 feet,	15.00	" 100
" California Black, 4 to 6 feet,	15.00	" 100
Spanish Chestnut, 6 to 10 inches,	15.00	" 100
Cork Elm, 4 to 6 feet,	15.00	" 100
" 8 to 10 feet,	20.00	" 100
Bio Gums or Eucalyptus in variety	\$3 to \$10	" 100
Magnolia Grandiflora, 2 to 5 inches,	5.00	" "
" 8 to 12 inches,	10.00	" "
" 12 to 18 inches,	15.00	" "
Golden Arborvitae, 8 to 12 inches,	6.00	" "
" 12 to 18 inches,	8.00	" "
Heath Leaved Arborvitae, 18 to 24 inches,	6.00	" "
Crataegus Arbores, 12 to 18 inches,	5.00	" "
" 2 to 4 feet,	2.00	" "
Eucalyptus Septentrionalis,	2.00	" "
" Polychella,	2.00	" "
" Argentea Marginata,	2.00	" "
" Japonica,	2.00	" "
" Aurea,	3.00	" "
Swedish Juniper, 12 to 18 inches,	3.00	" "
Heath Medietaria, (Hardy)	2.50	" "

Will only sell in quantities specified at those prices, if less 10 per cent. added, if more 10 per cent. discount.

FRUIT TREES! FRUIT TREES!! AND WHERE TO PURCHASE THEM!!!

The Santa Clara Valley Agricultural Society has awarded for the Largest Collection of Pears, First Premium to B. S. Fox.

Best Twelve Varieties of Pears, B. S. Fox.
Largest Collection of Apples, B. S. Fox.
Best Twelve Varieties of Apples, B. S. Fox.
Best Collection of Pears, B. S. Fox.
Largest Collection of Nuts, B. S. Fox.
Best Soft Shelled Almond "Langue de Chat," B. S. Fox.
Forest Trees, Shade Trees, large and small in quantity.

BERNARD S. FOX,

SAN JOSE.

THOMAS MEHERIN, Agent,
Battery Street, San Francisco. 40.3

A FINE HOME FOR SALE.

A very fine located Farm of 196 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, living streams of water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.
A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut. The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:
30 Tons of Potatoes,
200 Bunches of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.
On the Farm there are 3 Horses, 1 Cow, 12 Chickens, a new 4-horse Wagon, a new Cart, Buggy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly. 2338 MARJAN BMT 39.24

Ornamental Trees, A BARGAIN.

The Undersigned desirous of giving his entire time and attention to his Apiculture, and to confining his entire attention to the care and culture of his Bees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

GREAT BARGAIN.

as he is determined to close out all his Trees this Autumn. The following are now offered at very low rates:
5,000 to 8,000 Locust Trees, from 1 to 4 years old,
8,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form.
4,000 to 6,000 California Walnuts from 1 to 3 years old.
1,000 Circassian Malberry Trees—very fine.
500 American Black Malberry, the fruiting species—the fruit being very superior, the Trees great bonanza.

Purchasers wanting any of these Trees, are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold.

Address, **J. S. HARBISON, Apiculturist,**
SAUCRAMENTO.

Or **OLE GOODRICH,**
Riverside Road,
3 miles below Sacramento. 40.3

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE

Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amazon Insurance Company, Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company, Chicago, Ill.,	250,000
Glard Insurance Company, Philadelphia, Penn.,	853,000
Kansas Insurance Company, Leavenworth, Kansas,	250,000
National Life Insurance Company, U. S. A., Washington, D. C.,	1,235,000
New Orleans Mutual Insurance Association, New Orleans, La.,	1,478,000
North Missouri Insurance Company, St. Louis, Mo.,	1,235,000
Penn Insurance Company, Philadelphia, Pa.,	385,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.,	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS,

No. 314 California St. San Francisco, Cal.

FISH BROS. & HUGGINS

"PACIFIC WAGONS,"

FARM, QUARTZ, AND THIMBLE SKEIN, IRON AXLE FARM AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glenn, Geo. W. Hoag, Gumpston Bros, Jacinto; Hill & Knapp, Agents for Marysville; Wm. F. Miller, Agents for Stockton; J. Balch & Co., Agents for San Jose; Smith & Baxter, Agents for Gilroy; B. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. I. Case & Co. 48-inch Cylinder Threshers. 29.18

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural cut stone, fire-proof and enduring

ASHLER, COPING, SEPS, MONUMENTS, GRAVESTONES, BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fountains, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Tiles, French Gray, etc.

Architects and Builders are particularly invited to examine our Stone and Prices before engaging other building material.

JAMES GAMBLE, President.

R. WEGENER, Secretary.

Office and Works, 414 California Street.

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SANTA CLARA VALLEY FAIR.

THE FOURTEENTH ANNUAL FAIR OF THE SANTA CLARA VALLEY SOCIETY

Will commence on Monday, the 29th, and continue Six Days

THE PREMIUM LIST

will be found to be of the most liberal order. The Grounds of the Society are as fine as any in the State, while the means of accommodation for Stock are equal to any Association save the State Fair Grounds.

THE HALL OF EXHIBITION

In San Jose, will be ready to receive Articles for Exhibition on the 27th, and it is hoped all exhibitors will be prompt and in season.

The Officers of the Society will meet the Rooms and Grounds with appropriate Committees to receive and give position, and to do all in their power to make a good and creditable Fair, and they look to the citizens of Santa Clara County to sustain them in making this Fair creditable to the County.

W. C. WILSON, President.

T. J. PORTER, Secretary.

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HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS,

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

40.1

NEW

AGRICULTURAL

WAREHOUSE.

The undersigned take pleasure in calling attention of the Farmers and Cultivators of the Soil to all departments of Agriculture in the "Great Sacramento Valley," and the region around it to the Large Stock of

AGRICULTURAL IMPLEMENTS

which they are now opening in the Spectacular Warehouse on J STREET, SACRAMENTO, formerly occupied by Treadwell & Co.

It will be the aim of the undersigned to offer the Largest and Best Stock of Harvest Implements and other Goods shown in any section of the State, and to offer no Implements but the Best, and endeavor to give satisfaction to every Customer and Patron of our House.

We offer the following:

EXCELSIOR MOWE

AND

MOWER AND REAPER COMBINED, IRON FRAMES!

SIX HUNDRED SOLD IN THIS STATE DURING LAST SEASON.

It also took the First Premium in this State at the State Fair of 1873.

This truly celebrated Iron Frame Machine stands as far ahead of all others (the "BUCKEYE" included) as science, skill and careful study can reach with improvements. Farmers in every section of this State give the preference to the EXCELSIOR over all other machines on account of Cheapness, LIGHTNESS OF DRAFT, being better adapted to California work, and from its simplicity does not get out of order.

The Hay and Grain Harvest will open early this year. Examine carefully and purchase wisely.

The Excelsior Side Rake and Excelsior Dropper.

EVERY MACHINE WARRANTED.

OR THE MONEY REFUNDED.

Geoline Haines Header,

Home Miscellany.



PASSING AWAY.

How varied, how changing,
Are all earthly scenes!
How sad and delusive
Are all life's dreams!
How quick the transition
From childhood to age—
From the prattling youth
To the full-grown sage.
From the maid with sweet blushes,
To the matron of care;
From her jess-bell ringlets
To her snow-white hair.
From the bride at the altar,
With her light-hearted groom,
To the hour when they both
Shall descend to the tomb!
All, all that is earthly—
Our hopes and our fears,
Our joys and our sorrows,
Our sighs and our tears,
Our dreams of ambition,
Our strivings for fame,
Our visions of glory
In leaving—a name.
All, all that forsook
We so struggle and grieve,
Will be shut from our view
In the sleep of the grave.
Like the rose in its bloom,
Which blooms to decay,
So all that is earthly
Is passing away.

THE WORLD AND I.

Whether my heart be glad or no,
The summers come, the summers go;
The leaves grow dark with dying leaves;
Ideals hang beneath the eaves;
The stars waver in the snow;
Thus doth the summer end and go,
Whether my life be glad or no.

Whether my life be sad or no,
The winters come, the winters go;
The sunbake plays with baby leaves;
Swallows float about the eaves;
The lovely wind-dancers bend and blow;
Thus doth the winter end and go,
Whether my life be sad or no.

Yet Mother Nature gives to me
A fond and patient sympathy;
In my own heart I find the charm
To make her tender, near, and warm;
Through summer sunshine, winter snow,
She clasps me, and I glad or no.

—MELLY M. BURCHINSON, in *Harper's Magazine* for October.

HERO WORSHIP.

'He is not what you think.' O Judge wise,
Can we not have Valhalla of our own
Within our hearts, where all the souls we prize
Shall sit in state, each on his royal throne!
What matter if we do not always choose
The few whose names we will worship, we write above
As laurel-wreath: do ye then refuse
Our heart's free right to honor whom we love?

Best vantage for your reasonable choice,
The two or three grown with cautious care;
Nor they, nor ye, need cede our waiting voice
Among the phantoms filling all the air.
The crowd will have its god with robe and crown
To worship; but for us, we must be free
To follow when the stars seem pointing down,
To love when souls seem full of glory.

Ye smile because we cherish still a throng
Of students of the hero, the form, the tone,
The virtue, the stage, the romance, and the song,
Not for deep reasons, but for love alone.
We do not edify with ill death's pale place
Their soul upon their work; but here and now
We love them, as we see them face to face;
Before them, warm in loyalty, we bow.

Those whom we cherish may not all attain
A crown so bright that the whole world can view;
But let not a dream to gain,
The having been a glory to a few?
Should one prove false to all our hope and trust,
Should our fair marble turn to common clay,
Should we lay the veil over the dust,
And from our temple bear our dead away.

What is one false among a thousand true—
A thousand opening lives so well begun!
'He is no hero, as you think,' say you?
Well, then, our faith shall work to make him one.
Back, Judge, to your work of weighing, slow,
The dead ye devote to fame's courts above!
But leave us free to worship here below
With faith and hope the living whom we love.

—CONSTANCE F. WOODMAN, in *Harper's Magazine* for Oct.

DOORS OF THE HEART.

Every person's feelings have a front-door and a side-door by which they may be entered. The front door is on the street. Some always keep it open, some keep it latched, some locked, some bolted with a chain that will let you peep in but not get in, and some call it up so that nothing can pass its threshold. The front door leads into a passage which opens into an ante-room and thus into the interior apartments. The side-door opens at once into the sacred chambers. There is, almost always, at least one key to this side door. This is carried for years hidden in a mother's bosom. Fathers, brothers, sisters and friends, often, but by no means so universally, have duplicates of it. The wedding ring conveys a right to one; else if none is given with it!—*Autocrat of the Breakfast Table.*

An editor once wrote: "We have received a basket of strawberries from Mr. Smith, for which we will receive our compliments, some of which are four inches in circumference."

Always get the best done—look at the bright side of everything.

SORRY FOR.

I am sorry for Maria. That belt of hers cuts off all her hopes. She does not think so. She could not be made to believe it. Things don't look that way at all. She knows John would have no more to do with her if her belt was longer than two inches. John is a fastidious young man. He is faultless himself—that is, his tie and his boots and his bosom and all. Two inches. Why that would make his divine Araminta into a sloven: She would not be Araminta to him if her kid shoes and gloves were not a little snigger than the skin itself, and her hat the daintiest bit of a crest to her round, bright face, and her bodice smooth and small to the last degree. A vision of his Araminta with the tension of her encasements so much less that she could breathe easily and move freely would shock him to death! Perhaps not quite, but I verily believe he would sooner sliver under the breath of the North Pole all his days than embrace such a being.

Poor child. What shall save her from spoiling herself?—for to spoil herself she surely is doomed. But she is not to be blamed. Her mother, all her friends, society, have fashioned and moulded her little mind as they have her little body. The eyes of her understanding are darkened. Perhaps it is better so. What if by any means they should be opened that she might see the true bearings of things? The great blinding eyes of "society" would put them out at once. I have asked to tell her how the deep crease she is making with that diabolical belt of hers right into her vitals, is going by and by to hollow in her cheeks and her eyes, to drain her skin of its juices and deaden her stomach and dampen the glow of her heart—that will be long after John can help himself; but I feel no intensely while she is not at all, and I saw clearly where she saw nothing, that it was no use trying to get into any sympathetic relations with her. Perhaps if she lives long enough she will wake up sometime. When "the curse" falls heavily on her—she will then never think of looking for the source of it nearer than Genesis—as surely it will, and she is utterable miserable, she may ask the reason why, but it will be too late for any but moral good effects. Ah, pity of pities, for there are noble possibilities in her and sometime her beautiful children might rise up and call her blessed, and her husband praise her in the gates, but for that axe and—other things.

I am sorry too for 'Celia though—in a different way. Her case is very different. She has plenty of light and she wishes to do right. Her friends have light and would help her. Her mother has guarded her with anxious care from her babyhood; she has done all that a civilized, mortal mother could to secure to her daughter a sound body. But there is danger of failure and all from that dreadful belt again. The form of dress 'Celia has chosen as best suited to her style and circumstances and within which she can slip along the easiest and go to school and to church and into company and have nobody say her nay, in the loose, easy blouse with light, shortish skirt. This would do well but for the leatherlike belt that comes between. True, it is cut by measure of the bust while the lungs are filled to the fullest with air—just so many honest inches every time. But somehow it is shortened a trifle by sewing the gathers to it in making up, and sometimes the belt is of leather with a wide, hard buckle pressed right over the pit of the stomach, and oftentimes at her book and sewing she sits a little bent forward and brings the belt to press a little on the ribs so as just enough to be a slight hindrance to the muscles that expand the lungs, and just enough to lessen the spring of the diaphragm as it plays up and down in respiration, and so just enough to discourage by ever so little the churning motion of the stomach in digestion, and by so many little is a great mischief begun.

Her mother in observing of it says to her sometimes, "Lucella, I am afraid after all your belt is too tight." "Oh mother, you just try it for yourself; you do not call that tight, do you?" I do not think if I am ever to have a belt at all that I can wear it looser than this." And mother finds that her fingers do run easily under it and that she can pinch it up and fold it over as much or so, (though it is not to be supposed that the lungs are at the fullest of air just then,) and she admits though with a little sigh, that "that will do pretty well; but, thinking that the dress at that point should be as loose as a sleeve, and that no organ in its action, no better than a person, can forever resist little hindrances, she inwardly curses the whole fixed plan of a woman's dress and wishes she and all hers were out of the world into the woods where they may worship the Lord in the beauty or "wholeness." I am sure I pity the mother. Between her enlightened conscience and her regard for her daughter's sensibility to the pressure of public opinion, more acute at the age when habits of mind and body are forming for good or ill through all the future, than at any other period—she has a hard time of it. Do the best that ever was done yet by the most enlightened, and such is the general plan of feminine apparel—so many bands upon bands over the most vital and yielding part of the body—that no civilized woman ever came to maturity without being greatly damaged both in structure and function by her clothing. Heaven pity us all until we work out a better state of things. To that let us be up and doing.—F. B. J. in *Leaves of Life.*

Calomel, one part, four five parts, sugar one part, ultramarine, one-tenth of a part, mixed together, is said to be a most efficient poison for mice.

Petroleum, or a solution of carbolic acid may be used very effectively in the extirpation of dry rot.

In a bottle—the latest papers, of course; what does the latest news amount to, compared to a fashionable bustle.

WHY MARRIAGES DECREASE.

The following most excellent and just censure against the present system of Trading off Sons and Daughters by marriage "as the source of the present unhappiness that arises from them should be read.

We take from the September number of the *Galaxy*, by Alcester Rhodes, who plainly shows why young men are afraid to marry.

The falling off in marriages is found in the centers of population, where the needs of life press hard. The old-fashioned disinterestedness has of late years been losing ground in these places. Thirty or forty years ago it was plain sailing; a gibbous hat and the Italian opera were rich as compared with those of to-day. It has become evident that in cities, hymen is losing power; yet the goddess who came out of the sea-foam continues to exercise her wondrous charms over men, though they refuse to follow Hymen. There is a hide-and-seek process on the part of man to avoid supporting the woman, which it would be to the last degree ungenerous if it were not to some measure compulsory. Fathers endeavor to dispose of daughters to those who stand upon condition, and each tries to abate the expense of keeping them. Thus regarded, the woman becomes a possible encumbrance to a marrying man, and almost a parasite in her own family. A great number of those who live in luxury in the metropolis make both ends meet with difficulty. The head of the family is stretched on a financial wheel, which never ceases to turn every day in the year. He is pressed for what he considers the necessities of life, and spends twenty thousand dollars a year. The capital of this man who spends twenty thousand a year, at legal interest, would not perhaps yield him a third of what he expends; thus he is obliged to work hard for his living, and without relaxation. He is not in a position to help any one but himself, however willing he may be to do so. The young man making his way through an ocean of difficulties, and carrying ballast in the shape of clubs and social dissipation, may like the daughter of the poor rich father; but he has not the socially, even if she were willing, to make the sacrifice, to take her out of her handsome nest into an inferior one. In resisting the matrimonial temptation he has something to say for himself. His knowledge of life tells him that there are scarcely any hours of happiness which are compensation for the ransoming, wearing, daily want of means to provide for everyday necessities and comforts, and that it is not long before domestic peace gives way before this terrible pressure. It is human, too, for the woman in unguarded moments to make comparisons between her married and single life, in which regrets and reproaches are implied if not spoken. When matters reach this point it is the *coup de grace*, and domestic felicity is at an end.

An adviser may say to this young man, if he wants to marry the poor rich girl: Go West; but this is counsel he cannot follow. His lot is cast here, and through industry he has reasonable expectations of ultimately acquiring a modest competency. It would be foolish for him to give up the bird in hand for the two out West in the bush, to say nothing of his likings, which ten to one favor his present surroundings. Here the field of labor is plainly indicated, and he is already in harness. His future being here, he must submit to the conditions of life around him, and accept civilization as he finds it. These reasoning he turns away from the poor rich man's sumptuous dwelling with a sigh; he may not pluck the coveted flower. And if the expected bridegroom in purple and fine linen, from Lydian shores, fail to come, the daughter is condemned to a life of celibacy. If the father has several such, who wait in vain, his house, according to the Dutch proverb, becomes like a cellar full of sour beer.

There are three issues out of the difficulties which involve marriage in the cities: a simpler mode of life; the independence which the woman may acquire in self-support; and the dowry, which concerns the parents rather than the woman herself.

PANORATIUS, THE ROMAN LAD.

Pa, who was Panoratius? Inquired George Lorn of his father, one afternoon, on his return from school. "Our history teacher asked us today, and not one of the class could tell him. He said he wished we would all ascertain, and he would question us to-morrow." "Panoratius was a brave Roman lad," replied Mr. Lorn, "who at the age of sixteen prepared to be decapitated by wild beasts rather than renounce his Christianity and worship the heathen gods. So anxious was he to prove his faith in his religion, that when a decree had been passed by the emperor that all the Christians working in the mines should be put to this cruel death, the boy obtained leave to go down among the mines and share their fate." "Would his father and mother allow him?" asked George. "His father had himself died in defense of the faith; and his mother, although noble and wealthy, was a firm believer, and desired her son to imitate his father. The emperor was so impressed by the lad's heroism, that he gave orders not to let the tigers have him, as he wished to place him in his body-guard. But the boy preferred death, and the hopes of a blessed existence beyond, to all the emperor could offer him. This too enraged the monarch that again he gave orders that, after the other Christians were slain, one tiger should destroy the lad. As the miners marched into the Flavian amphitheatre were fixed with flowers and singing hymns of victory and faith in God, Panoratius longed to join their ranks, but the emperor could not bear to lose so brave a spirit, and tried more than once to change his purpose, but failed in vain. His mother, the gentle and highborn Lucina, came to witness his tortures and to cheer him on to martyrdom. And in full view of thousands of Roman citizens, the heroic youth, who had been dubbed by a schoolmate a coward because he would not fight, with a smile of triumph and words of forgiveness to his enemies on his lips, calmly met his end.

THE ALTERNATE USE OF HOT AND COLD DRINKS DURING MEALS.

The results obtained by Dr. Beaumont in his series of experiments on the person of Alexis St. Martin, who had a permanent gastric fistula, caused by a gunshot wound, demonstrates that the gastric juice in order to exert its solvent action upon the food must be at the temperature of 100°.

The common, excessive and alternate use of hot and cold drinks therefore, during meals, is clearly profitable to a host of ailments in meal-fold ways. It impairs digestion by alternately increasing and diminishing the temperature of the gastric juice—thus retarding the solvent action of that fluid. It lays the foundation for chronic gastritis, in consequence of the excessive and reciprocal contact of the two agents, heat and cold, with the mucous membrane, of the stomach, and consequently causes dyspepsia.

It also causes cracking of the enamel of the teeth and an increased susceptibility of the nerves in their immediate vicinity. Many cases of protracted odontalgia, or—in common phrase, toothache, are no doubt due to this bad practice; as also the premature destruction of the enamel of the teeth in persons of healthy constitutions.

This bad habit is the generator of many cases of disordered organs and perverted functions generally in the animal economy.

While I deprecate the use of hot and cold drinks during meals, I nevertheless advocate the moderate use of fluids of milk-warm temperature, for the reason that they act as adjuncts to mastication, insinuation and deglutition of food, and that they assist the gastric fluids in the dissolution of aliments. For instance: It is well known, that, without the assistance of some fluids, it is extremely difficult to consume a dry and brittle cracker or other similar substance.

[Still it is well we think to dispense with fluids to a good degree during mastication, as their tendency is constantly to render the process less thorough and effective.—Do.]

—ROMULUS A. FOSTER in *Leaves of Life.*

DOMESTIC RECIPES.

From various sources we gather the following valuable recipes for domestic use:

Canning Grapes.—It is not known to every one that the grape can be put up like other fruits for winter use. But try it and see. There is no fruit easier to manage this way or that retains its natural flavor and excellence better. Make a syrup of a quart of a pound of sugar for one pound of fruit; put the grapes whole into the scalding syrup and skim out soon, let them partially cool and then can them as you would any other fruit. If you wish to have the pulp clear of the seeds, you have only to run it through a colander. Nothing in the line of canned fruit makes a more healthy and palatable pie than the grapes prepared in this way, or with less trouble.

Preserving Plums Without Skins.—Pour boiling water over large egg or magnum bonum plums; cover until it is cold, then pull off the skins. Make a syrup of a pound of sugar and a teaspoon of water for each pound of fruit; make it boiling hot and pour it over; let them remain for a day or two, then drain off and boil again; skim it clear and pour it hot over the plums; let them remain until the next day, then put them over the fire in the syrup; boil them very gently until clear; take them from the syrup with a skimmer into the pots or jars; boil the syrup until rich and thick; take off any scum which may arise, then let it cool and settle and pour it over the plums. If brown sugar is used, which is quite as good, except for green gages, clarify it as directed.

How to Test the Richness of Milk.—Procure any long glass vessel—a cologne bottle or long vial. Take a narrow strip of paper, just the length from the neck to the bottom of the vial, and mark it off with one hundred lines, at equal distances, or, if more convenient, and to obtain greater exactness, into fifty lines, and count each as two, and paste it upon the vial, so as to divide its length into a hundred equal parts. Fill it to the highest mark with milk fresh from the cow, and allow it to stand in a perpendicular position twenty-four hours. The number of spaces occupied by the cream will give you its exact percentage in the milk without any guess work.

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Miscellany.

THE SPIDER'S BRIDGE.

One chilly day I was left at home alone; and after I was tired reading Robinson Crusoe, I caught a spider, and brought him into the house to play with. Funny kind of playmate, wasn't it? Well, I took a wash-basin, and fastened on a stick in it like a liberty pole or a ship's mast, and then poured in water enough to turn the mast into an island for my spider, which I named Gracie, and put him on the mast. As soon as he was fairly cast away, he anxiously commenced running round to find the mainland. He'd scampered down the mast to the water, stuck out a foot, got it wet, shook it, ran round the stick, and tried the other side, and then ran back up to the top again. Pretty soon it became a serious matter to Mr. Robinson, and he sat down to think over it. As in a moment he acted as if he wanted to shoot for a boat, and was afraid he was going to be hungry, I put molasses on the stick. A fly came, but Gracie wasn't hungry for flies just then. He was homesick for his web in the corner of the wood-shed. He went slowly down the pole to the water, and touched it all around, shaking his feet like pussy, when she wets her stockings in the grass, and suddenly a thought appeared to strike him. Up he went like a rock to the top, and commenced playing circus. He held one foot in the air, then another, and turned round two or three times. He got excited, and nearly stood on his head, before I found out what he knew; and that was this, as the draught of air made by the fire would carry a fine web on which he could escape from his desert island. He pushed out a web that went floating in the air, until it caught on the table. Then he hauled on the rope until it was tight, struck it several times to see if it was strong enough to hold him, and walked ashore. I thought he had earned his liberty, so I put him back in his woodshed again. —Fourth and Home.

OLD PETE'S CONSCIENCE.

The colored brother who is conscious of the infirmities of man, and aspires to a higher and purer life, is seldom without words to express his emotions, albeit sometimes in phrase more direct and blunt than elegant. So it was with an old negro, Pete, who was very much troubled about his sins. Perceiving him one day with a downcast look, his master asked him the cause.

"Oh, massa, I'm such a great sinner!"

"But, Pete," said his master, "you are foolish to take it so much to heart. You never see me troubled about my sins."

"I know de reason, massa," said Pete: "when you go out duck-shooting, and kill one bird and wound another, don't you run after de wounded duck?"

"Yes, Pete;" and the master wondered what was coming next.

"Well, massa, dat is de way wid you and me. De debil's got you sure; but as he am not sure of me, he jus chase dis chile all de time." —Editor's Drawer, in Harper's Magazine for October.

PLATFORM OF THE GRANGES.

A convention of the Ohio granges has issued a very concise but significant platform, thus:

Whereas, We believe that when a man steals he is a thief; and

Whereas, A majority of the politicians of both parties steal; now, therefore,

Resolved, That we are tired of being plundered.

Resolved, That it is a good time for thieves to stand under.

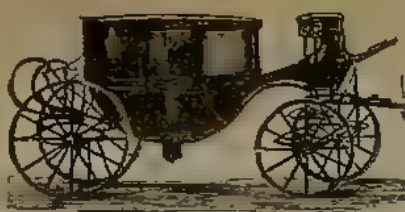
A Detroit man recently forwarded the following letter to the Insurance company in which his wife's life was insured: "Dear sir—I take my pen in hand to let you know that I am well, but that my dear wife, insured for \$5,000 in your company, is no more. She died to-day. Her policy is No. —. I can truly say that she was a fond wife and a good mother. I have the doctor's certificate, so that there will be no trouble about the policy. She was only sick a short time, but suffered much. Do you give a check in advance or must I wait sixty days for the money? Yours, &c."

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see to those Journals some evidence of reciprocity to our Cause and to our State. Journals that will extend California Interests and speak of our State as she deserves, will receive our first consideration. We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being all equal.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

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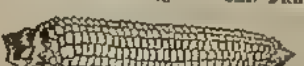
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No grass has yielded so large nor so remunerative Crops, and no crop will pay better.

The amount of Alfalfa Seed sold the last year exceeded 200,000 pounds, and the supply was not equal to the demand.

The call for Alfalfa this year will undoubtedly far exceed the last, and it would be wise for those who intend purchasing to buy early as by such means they can secure their Seed, and on better terms than late in the year when the demand is pressing.

The undersigned have received their Seed early this year so as to provide for their Patrons early, and on the most favorable terms.

N. B.
In addition to Alfalfa we offer also every other kind of Grass Seeds for field culture, viz:

Kentucky Blue Grass, Timothy, Red Top, Red and White Clover, Rye Grass, Hungarian Grass, &c., &c.

The largest and best collection of Field and Garden Seeds offered on this Coast, all at the lowest rates and on the best terms, in fact low as the lowest, and good as the best, and lower than any rival House.

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New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

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Any further information desired will be promptly furnished.

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RANDALL'S NEW EDITION OF

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TREE DEALERS AND PLANTERS
Our Wholesale Catalogue for Autumn 1873, now ready, and sent FREE to all applicants.
Aug. 15, 1873. ELLWANGER & BARRY,
Rochester, N. Y.

THE CALIFORNIA FARMER.

Our FORTIETH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of this year and the following year also, thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on this Coast. We trust we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

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310 Clay St., San Francisco.



Agriculture.

THE OLD FARM HOUSE.

At the foot of the hill, near the old red mill,
In a quiet shady spot,
Just peeping through half hid from view,
Stands a little house-grown cot,
And a rayling through at the open door,
The muskies play on the matted floor.

The easy chair, all padded with care,
Is placed by the old red mill;
With witching grace, in the old fire-place,
The evergreen are strewn,
And pictures hang on the whitened wall,
And the old clock ticks to the cottage hall.

More lovely still, on the window sill,
The dew-eyed daisies rest,
While midst the leaves, on the moss-grown area,
The marigolds build her nest,
And still day long the summer breeze
Is whispering love to the bending trees.

Over the door, all covered o'er
With a eck of dark green balsa,
Lays a musket old, whose worth is told,
In the events of other days;
And the powder-disk, and the hunter's horn,
Have hung beside it for many a morn.

For years have fled, with a noiseless tread,
Like fairy dreams away,
And left in their flight, all about of the night,
A father-old and gray;
And the old wind plays with his snow-white hair,
As the old man sleeps in his easy chair.

In at the door, on the matted floor,
Light fairy footsteps glide,
And a maiden fair, with down hair,
Kisses by the old man's side—
An old oak is rocked by the angry storm,
While the tiny cottage sits trembling firm.

SQUASH SEED FATAL TO FOWLS.

James N. Bookstaver, Rutherford Park N. J. writes to the American Farmer's Club: I feel it my duty to call attention to a discovery made by me that may not be generally known. The other day my little boy came to me and told me that "chickies had gone dead." On going to the hen-house I found a fine black Spanish cock lifeless on the floor. At first I attributed its death to a worm, or some animal of that character; but I could find no marks to warrant such a conclusion. A little while afterwards I found a dead pullet in the yard. This began to alarm me. I had heard of hen cholera, and began to think some such disease had made its appearance on my premises. An autopsy revealed to me the cause of death, they having choked their lives by a little indiscretion in the selection of food. On opening their crops I found the contents to be corn and squash seeds. The seeds had created a watery field, greatly discolored that could find no outlet. Farmers' wives should be careful to place such kitchen refuse beyond the reach of fowls.

William Anderson, Ann Arbor, Michigan, also writes in the following manner: "The first symptom that appears is lameness in one leg. After a few days they become so weak that they cannot stand, and pine away and die in two weeks, and something less than that." In reference to this matter, Washington Hills, of Long Island, says: "One cause of the disease complained of is, allowing turkeys to eat the seeds of pumpkins. About the time the farmers take in their corn and gather their pumpkins, almost invariably the cattle are treated to a meal of pumpkins. If the turkeys are around the barn-yard they also have a meal of seeds, and so sure as they do they will be lame. Sometimes it kills them. At any rate they do not get over it, they will stay on all the season. Nothing will fetter them. In fact, I have known a whole flock affected in this way to be almost worthless, and nothing else caused it but pumpkin seeds."—The Ohio Farmer.

WONDERFUL ARTESIAN WELL.

On William L. Rice's farm, half way between San Benito and Hollister, six miles from either place, and half a mile from the sea, the Cook Brothers, well-borers, have sunk an artesian well, one hundred and fifty-nine feet deep, putting down a seven-inch pipe, and have been rewarded by a flow of the purest soft water which exceeds that of any other well yet sunk in this part of the State. The pipe stands five feet above the ground and the water rushes in a solid column two feet above the top of the pipe. The cost of the well is trifling, as one hundred and fifteen feet was through a sand loam, and the last forty feet through clay. The piping cost \$1.25 per foot, boring, first hundred feet, \$1 per foot; next fifty feet, \$1.50; excess, at \$2 per foot. Boots and vegetation were found in the clay.

Sanita Barbara Press.

IMPORTED SHEEP.

Mr. William Olsson, our correspondent for Mercer county, Pa., reports that he has recently imported from England 20 "Gladstone" sheep. The heaviest weighed 41½ pounds, and clipped 16½ pounds of wool. The weight of one yearling was 26½ pounds, and of its fleece, 16½ pounds. The 26½ yielded an average of 15 pounds and 5½ ounces of clean washed wool per head.—Agricultural Reporter.

"Madam," said a certain nameless one to Mrs. Brown the other day, "you are talking simple rubbish." "Yes, sir," replied the over-credulous lady, "because I wish you to comprehend me."

LIME VS. ASHES.

Place a piece of iron or steel in damp ashes, and it will soon corrode with rust. Place the iron or steel in lime mortar, and it will remain bright and the rust will disappear. Sow small grain where a brush pile or log heap has been burned, or where a liberal dressing of ashes has been applied, and there will be a rank growth that will probably fall and never mature. Sow the grain where lime has been applied to the soil and the grain will grow with stout, stiff straw, and plump, hardy heads that mature well.

Ashes cause a rank growth of the herbaceous parts of plants, such as leaves, straw and grass; lime induces a growth of the woody part of plants, and the grain or fruit. Ashes stimulate heavy muck, and rich or virgin soils. They appear to disintegrate, or make available what is already on the soil. They seem to act specially on vegetable mould and manures from the barnyard. Apply them to the most offensive pile of compost, and they will render it inodorous and worthless as a fertilizer, their effect being that of releasing the ammonia from the compost. Ashes used with a compost heap of decaying vegetable matter would be wasted—worse than wasted—as they render the compost inert as a fertilizer. Applied to an offensive sink, sewer or cesspool, they serve an excellent purpose as a disinfectant. They promote the growth of grass and forage especially, proving very valuable on low lands; will stimulate trees, etc., to a vigorous growth when the soil is strong. They exhaust strong soils and injure poor ones.

Lime improves poor soils, especially sandy ones, by rendering them more compact and capable of retaining fertility when applied. As a promoter of health and vigor in apple trees, it is one of the best applications that can be made to the soil. Under its influence trees mature well, the fruit is finer, the trees are free from disease. Lime may be applied with benefit on most soils and many plants, but it is of special value to the apple tree and strawberry plant, while ashes are valuable on heavy or rich soils for the grosser feeding of plants, such as our native plums and current bushes.—A. L. Hatch in New York Horticulturist.

SHEEP-FARMING IN FRANCE AND ENGLAND.

A French writer, comparing English and French farming, says: "The most remarkable feature of British farming, in comparison with that of France, is the number and quality of the sheep." According to returns and estimates, the number of sheep in France and in England is about equal—35,000,000 in each—but those in England are kept on 31,000,000 hectares (a hectare is 2½ acres of land; in France on 53,000,000. "France, in order to have as many sheep as the United Kingdom ought to have 80,000,000. If the comparison is made with England alone, the difference is far greater. England feeds 30,000,000 sheep on 15,000,000 hectares of land; that is, proportionally, three times as much as France." But the greatest difference is in the quality of the sheep, those in England having been bred with a view to weight and early maturity. "The weight of an English sheep is twice that of a French sheep; so that an English farm of an equal surface gives six times as much mutton as a French farm."

FEEDING OATS TO COLTS.

A writer in the Maine Farmer says: I have always found that generous feeding pays the best, and I have found nothing so good for colts as a generous supply of oats, regularly fed. There is not much danger of feeding too many. The danger is in the opposite direction. The most critical part of the colts' life is perhaps the first winter, when he should be liberally fed with oats or oat-meal, with a few potatoes, and have daily exercise. One of our correspondents prefers carrots to other roots for feed. This does not agree with my experience. After giving carrots a fair and thorough trial, extending through three winters, I came to the conclusion (and I think, intelligently) that carrots as a feed for horses and colts are entirely worthless. The more oats you feed to your colts the more muscle, the more size, the more power, the more endurance, the more style and speed you obtain, and the more money you get when you sell them.

SHEEP STATISTICS.

Statistics show that there were in 1871 about 32,000,000 sheep in the United States, yielding an average of four pounds of wool each, or 128,000,000 pounds in the aggregate. In addition, the annual importation of wool amounts to about 70,000,000 pounds, at a cost of nearly \$10,000,000. Then we import woolen goods to the amount of nearly \$44,000,000 per annum. There is room, therefore, for an increase of 17,000,000 more sheep in the country to supply the home demand for wool, and for about 12,000,000 to displace the importation of woolen goods. But this can never be done effectually until we adopt the different breeds of sheep to different lands and latitudes in order that we may produce all the grades of wool required in our manufactures.

[Let our California Sheep-raisers look to these facts and see that they adopt the right kind for their own localities.—Ed. F.]

FACTS CONCERNING HUMAN LIFE.

The total number of human beings on earth is computed at 3,000,000,000, and they speak 3,063 known tongues. The average duration of life is 33½ years. One-fourth of these born die before they are at the age of 17. Out of one hundred persons, only six reach the age of 60. Sixty persons die every minute. Tall men live longer than short ones. Married men are longer lived than the single. Rich men live on an average, 42 years, but the poor only 20. There is a drunkard to every 74

NEGLECT OF HARVESTED CROPS.

Among the many evidences of carelessness in farming operations during the present season, the negligent manner in which the stacks, in some neighborhoods, have been completed, and afterwards protected, has been remarked by many travelers. In the first place the want of care in the forms given to them, by which a very unusual amount of surface has been left exposed to the weather, from which circumstances, and the irregularity of their settling, much rain has been absorbed and a great deal of valuable grain wasted. The sides of the stacks are, in many places, grown with the growth of wheat and oats, and many are in a fair way of being converted into rot crops.

The results of this negligence is fast developing. They have also been increased by farmers, in many instances, omitting to put caps on their stacks—and where these have been erected in the vicinity of houses or barn-yards—the tops of these stacks have been exposed to the depredations of chickens and turkeys, by which they are soon in a fair way of becoming a mass of manure!

If valuable crops are exposed in this way, the work of gathering amounts to little more than labor lost!

It is too late, during the present season, to correct these almost fatal omissions, but still something may be done. The tops of the stacks may be covered with hay, to protect the grain from the incursions of poultry, and from the weather.

In the meantime, it may be well for farmers to consider, seriously, whether it is worth while either to plow or sow their lands if they cannot take care of crops that have been harvested in a season most favorable for preservation, if proper care had afterwards been extended to them.

In time to come, it would be well for farmers to have their stacks built with the least possible surface exposed, then carefully capped, and then, if they must be erected near their out buildings, let them be otherwise protected.—W. K. B. in Journal of the Farmer.

[If our Farmers are not exposed to Summer Rains to injure their crops, they are nevertheless neglected in many instances to lose as much in other ways as our Eastern neighbors do by Rain Storms.—Ed. F.]

OIL CAKE MEAL.

The value of this most desirable feed for Stock cannot be too highly extolled, no feed given at stated intervals tells so well in the general health of all kinds of Horned-Stock and on Horses.

We made particular enquiries at several Fairs this Season and found that the Stock fed on Oil Cake Meal showed a finer Hair and Skin, and the whole general look gave indication of more "Vim" in the animals, and those who used it were fully aware of its great value.

Let our Stockmen who wish to see health in their Stock note these facts.

PLASTER OF PARIS.

In its natural state, this a salt of lime, known by the name of Gypsum, and is found in many portions of the globe. It is composed of lime and sulphuric acid. In many parts of the country it is largely applied to clover and other farm crops, to great advantage. In some parts of the west its use is becoming very general. For agricultural purposes, it is simply ground in mills, packed in barrels and sent to various parts of the country. For use in the arts, it is calcined and converted into plaster of Paris. In this state when mixed with water it becomes heated, and will harden to a solid mass, and is used for molds, langes, &c. It is a good non-conductor, and is used for finishing and for filling fire-proof safes, &c. In its common ground state, it is one of the best deodorizers, and when placed in stables it absorbs ammonia vapors, and should be more commonly used in hot weather. For this purpose it is much better than common lime.

EUREKA POULTRY YARDS,

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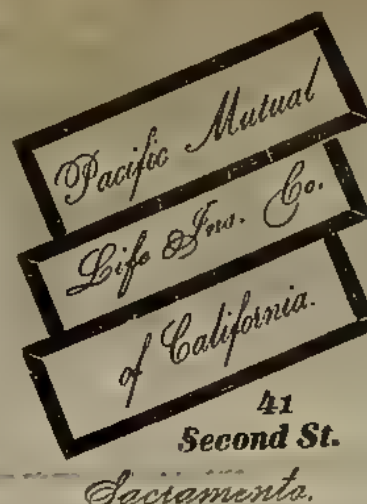
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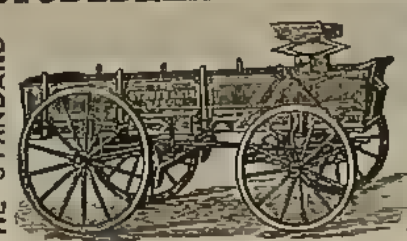
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SHOVEL PLOWS, Single and Double,

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THE BEST FEED KNOWN

FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing in description of food so greatly promotes the health of stock in the dairy business, raising and fattening stock, or way growing, to give it a trial, feeling confident that they will find it a very great value. By those who have used it, they find it a very great value. By those who have used it, they find it a very great value. By those who have used it, they find it a very great value.

For MILK COWS it is particularly valuable, increasing the quantity of milk and giving it a quality for the most extensive use. A valuable quantity for the most extensive use. A valuable quantity for the most extensive use. A valuable quantity for the most extensive use.

FOR HORSE it is a small quantity given daily promotes their health, and is especially valuable for them when chilled or fatigued from over-driving. It is one of the best remedies known for Horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and evenness and gloss of the hair.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other food—the beef always being more tender and juicy and of a much finer quality than when fattened on any other food, and no feed known will so quickly prepare animals for market as Oil Cake Meal.

At present price (\$30 per ton) it is the cheapest feed on the market. It is now selling in New York at \$48 per ton, and at \$50 per ton in England, where it has been proven for long time to be in every respect the most profitable feed known for stock of all kinds—mutton being fully equal to three times of beef.

The increasing demand for this meal from those on its coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Machine Store, King Street, near Third. All orders will receive prompt attention. Address—

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Lands all well located and can be securely Leased and made ready for cultivation at a very moderate cost.

This land is near to tracts of upland suitable for grazing, and for the Building, so as to make a good farm (this also can be purchased at a moderate cost)

The past year fine Grain, both Wheat and Barley was grown upon this land, of which samples can be seen at this Office this is proof of the value of this land.

Other crops have raised the past Season. Vegetables of all kinds produce large crops, and even when planted late they produce abundantly.

This tract of land is worthy of special attention of any person who wishes a good bargain as it will be very reasonable if applied for soon.

These lands are now being fully appreciated, and are considered as among the best lands of our State, and a few years will be held at very high figures.

Persons wishing to buy can learn all the particulars and price by addressing G. D. B. at CALIFORNIA FARMER'S Office.

39-22

Horticulture.



SUMMER IS GONE.

Over the west to crimson tinging,
The sun, like a ruby setting, id
Over the breast of the twilight burning.
Faintly its mantle laid on fold,
The sea like a maiden's face is glowing.
The sweet south wind is merrily blowing—
Full am I led, for summer is going—
Summer is going—summer is gone!

Never a leaf on the tree is faded,
Never a blade of the grass is aere,
Gayer and brighter the flowers are shaded,
Fainter and fairer grows the year;
Only—who knows what my fancy is showing,
Only the roses no longer are growing—
Only if I feel that summer is going—
Summer is going—summer is gone!

Brighter and brighter the skies are glowing,
Deeper and deeper the fresh air thrills,
Larger and fuller the vines are twining,
Clearer than ever the distant hills
The full tide sweep in their ebbing and swelling,
Nothing is lost that is worth the knowing,
Only I feel that summer is going—
Summer is going—summer is gone!

What do I mourn?—Who knows? for surely
Never was world more fit than now,
From the harvest moon, as it rises so purely,
To the red ripe apple upon the bough.
What do I mourn? Alas, no knowing!
Nothing is lost that is worth the showing,
Only I feel that summer is going—
Summer is going—summer is gone!

ALEXANDER PEACH.

From a little memorandum made at the time, I find the first "Alexander" was eaten July 18, and the last July 26. The first "Hale" (windfall) August 2, but no fairly ripened sound peach of that variety, such as would serve for a fair test of comparison with the others, was obtained until a week later. The fairest statement I can make of the time of ripening for each is July 30 for "Alexander," and August 10 for the "Hale."—[O. A. Alexander, in *Caps' Journal of Horticulture*]

We give the complete history of this variety originating at Mr. Polaski, Logan Co., Ill., because we regard this, if not the result of premature diseased ripening, the most valuable addition that has been made to our list of peaches since Hale's Early. We see no reason why the season of the peach should not be made as early as that of the apricot, and hope this new variety will be an important step in that direction. The entire failure of the peach crop this year will prevent a second test before 1874; and even the propagating of the variety has been much hindered by the unfavorable season.—*Pravie Farmer*.

THE TOMATO AND ITS SEED.

This is a delicately acid, cooling, healthful, and much-valued fruit, whose hygienic qualities have been well tested in the human system, that most perfect of laboratories. Other fruits of the garden have been long in reaching their present perfection; whereas the tomato has been a comparatively short time under culture. Experience proves that it is most susceptible of improvement; then why grow coarse, unsightly, spongy, ill-flavored tomatoes when, by attending to a few simple but important things, the finest qualities may be had. Seed from the best fruit, which ripens earliest, will produce the earliest next season, and if properly grown, and from the best variety, will give the desirable qualities of earliness, productiveness, size, solidity, beauty of form, thickness of skin, delicacy of flavor, and richness of color.

[The above notice of the Tomato we find in the *Gardener's Monthly* of October. It asks, why grow the poor varieties of Tomatoes? We answer, just so long as people are so ignorant and stupid as to go to market and buy the half ripe, coarse, rough, unsightly article, instead of the luscious *Cherry Red*, full ripe, soft skin, smooth Tomato, which is equal to a Peach, just so long will our Gardeners bring them to market, but when nobody will buy them, then, and then only, shall we have the best, and when our Good Housewives shall always send back the miserable trash often sent home, then a true reform will take place.—Ed. F.]

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER knew they can always obtain many Choice Seeds of us free—at all months or weeks of the year—this is our custom, those who are in want should always call when in the city or shall be glad to see them at our Reading Room, always open and free to all.

SEEDS AND PLANTS BY MAIL.

During the last Session of Congress a bill was passed which carried very much the seedling of seeds and plants by mail as it changed the law which allowed sending packages of a few pounds, and restricted to parcels of only 19 ounces. This act was so universally condemned that amendments and letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know the law has been accomplished, and now packages of a few pounds can be sent of seeds, cuttings, plants, etc., at the old rate of 8 cents per pound.

RATES OF POSTAGE.

For Packages of Four Ounces,	2 cents.
" " " Eight "	4 "
" " " One Pound,	8 "
" " " Four "	32 "

It must always be borne in mind by all who send seeds or plants by mail that every package must be done up securely and every package seeds, or plants must be prepaid, these go in the Newspaper 4th.

Ornamental Trees,
A BARGAIN.

The Undersigned desirous of giving his entire time and attention to his Apianes, and to confine his entire attention to the care and culture of his Bees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

GREAT BARGAIN.

as he is determined to close out all his Trees this Autumn. The following are now offered at very low low rates:
5,000 to 6,000 Locust Trees, from 1 to 4 years old,
8,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form.
4,000 to 5,000 California Walnuts from 1 to 3 years old.
1,000 Chinese Mulberry Trees—very fine.
500 American Black Mulberry, the fruiting species—the Fruit being very superior, the Trees great bearers.

Purchasers wanting any of these Trees, are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold.
Address, J. S. HARBISON, *Apianist*,
SACRAMENTO.

Or OLE GOODRICH,
Riverside Road,
3 miles below Sacramento. 40.3

A FINE HOME
FOR SALE.

A very fine located Farm of 196 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bug and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.
Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly. 39.24



The FOURTH NUMBER OF VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—300 pages, 500 Illustrations. Fall Number 5 cents.

First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 illustrations, and a beautiful colored plate. Address.
39.23 JAMES VICK, Rochester, N. Y.

TREES,
PLANTS & BULBOUS ROOTS
For AUTUMN of 1873.

Ellwanger & Barry offer to Planters and Dealers the largest and most complete stock in the country of Standard and Dwarf Fruit Trees, Grape Vines, Small Fruits, Ornamental Trees, Shrubs, Evergreens, New & Rare Fruit & Ornamental Trees, New & Rare Green & Hot House Plants, Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt attention to all inquiries.
Description and Illustrated Price Catalogue sent prepaid on receipt of stamps, as follows:
No. 1—Fruit, 10c. No. 2—Wholesale, (Just Published) Free. No. 3—Bulbs, Free Address,
Established 1840.

ELLWANGER & BARRY,
39.34 Mount Hope Nurseries, ROCHESTER, N. Y.

TREES,
SEEDS,
VINES,
BOOKS.

New Catalogue Free to all! A complete Stock of Fruit Trees, Evergreens, Forest Trees, Tree Seeds, Small Fruits, Grape Vines, etc. at BRYANT'S NURSERIES, Princeton, Ill.
We send out Good Stock, well packed, try us.
Special inducements to Nurseriesmen and Dealers.
Bryant's Forest Trees, prepaid for \$1.50.
Send for Select Book List. Address A. Bryant, Jr., Princeton, Ill.

Thirteen First Premiums
RECEIVED IN 1867 & 1868.

FOR THE BEST

WHITE AND RED WINES

Gold Medal Awarded

BY THE STATE AGRICULTURAL SOCIETY, 1867

Silver Medal

BY THE MECHANICS FAIR, 1868.

FOR THE BEST SPARKLING WINES.

LANDSBERGER & CO.

30-12. 423 to 428 Jackson Street.

AGENCY OF

The Orleans Hills Vinicultural
Association,

Sacramento, California.

Messrs. Pellett & Carver,
ST. HELENA, CALIFORNIA.Wine Cliff Vineyard,
BURRAGE & TUCKER, PROPRIETORS,
NAPA, CALIFORNIA,

And many other Vineyards throughout the State.

SOUTHERN REFINING COMPANY,
LOS ANGELES, CALIFORNIA.Potrero Distillery Company,
SAN FRANCISCO, CALIFORNIA.JAMES HENNESSY (established in 1873),
COGNAC, FRANCE.

On hand, and for sale, in Wood or Glass, in Lots to suit the taste:

Dry White Wine from Mission, Reliance, Orleans, Chasselas, Pontalenebleau, Gray Malvoisie, Berger, Zinfandel, Muscatelle, and White Muscat of Alexander Grapes. Dry Red Wine from Mission, Zinfandel, and Malvoisie Grapes.

CHAMPAGNE.

Port, Angelica, and Sweet Tokay.

BRANDY, VINTAGE OF 1871, 1870, and 1869.

Port Spirit from Grapes, Wheat, and Corn.
JAMES HENNESSY'S BRANDY, in bond or Duty Paid.

J. M. CURTIS;

Wine and Spirit Commission Merchant,
No. 424 Jackson Street

Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE.
39.17

SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT,

Price, Five Cents per Pound

In Lots of less than a Tuba. For one Tuba and upwards Four Cents delivered on board the Cars at Ward.

Orders addressed to Geo. F. Moore, Chico, or Wm. Van Woert, Nord, will receive prompt attention.
The particulars that recommend the "PRIDE OF BUTTE" to Wheat Raisers are its great productiveness, small amount of Seed required, short, stout straw standing in to rich lands and Summer-fallow. For quality and quantity of Flour it excels all other varieties.

Sample were exhibited at the State Fair and won the Prize. The Flour made from it also won the Premium.

WM. VAN WOERT,
Nord, Butte County, Cal.

VERY RARE SEEDS.

A Large collection of Very Rare Seeds just received from AUSTRALIA, among them the finest TREE and SHRUB Seeds of Rare Beauty and Value. Send orders to

FARMER OFFICE,

THE GERKE WINE.

The Product of the Celebrated Basquejo Vineyard, Located at Yuma, in the Foot Hills of Tehama County.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (to which it is now offered being the vintage of 1868).

And in order to safely guarantee its purity, is sold only in Bottles bearing the Trade Mark, H. G. upon the Label.

SHERRY,

MALAGA,

REISLING,

MUSCATTEL,

ANGELICA,

CLARET

are also Products of the same Vineyard, and sold in any desired quantity.

Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

The Wines from this Vineyard are pronounced by competent judges to be the best brands of California Wines.

HENRY CERKE.

418 and 420 Market Street, Cor. Sutter,

San Francisco, Cal. P. O. Box 622.

GEO. HAMLIN, Manager. 38.21

ALEXANDER EARLY PEACH

Probably no peach ever before claimed the attention of the public which was possessed of so unusual a promise of combined excellence and earliness as this.

It ripens three weeks in advance of Hale's Early.

The *Prairie Farmer*, in issue of Aug. 3d, 1872, describes it as "possessing the good qualities that all fine peaches should have viz.: Large size, attractive to the sight, pleasant to the smell, and agreeable to the taste."

"Chas. Downing says: 'It is very handsome, the flavor rich and good, flesh thick and firm, will carry well long distances to market.'"

The editor of the *Fruit Recorder* says: "We believe it is one of the greatest acquisitions in the peach line, ever introduced."

Wm. H. Prestello, of Bloomington, Ill., Fruit and Flower Artist, says "that he is satisfied it is one of the earliest and best of peaches," and that "there is not one who speaks of this magnificent peach that does it full justice as to its beauty of color. It is of a deep maroon shade, covered with the richest tint of crimson and BEAUTIFULLY DARK STRIPED—something very singular in a peach—changing towards the light side to a rich orange color."

Owing to the extreme severity of the past winter our stock of trees is quite limited. These we offer, carefully packed and delivered at express office here, as follows: 1st class trees, one year from bud, (with branches cut back,) at \$5 each.

Dormant buds, i. e., budded stocks, six for \$5, or fifteen buds by mail for \$5. No orders taken for less amount than \$5. Remit by Post Office order or draft. We also have a good assortment of other nursery stock. Send for catalogue. Address,

J. CAPPS & SON,

39.23 Mt. Pulaski, Logan County, Ill.

C. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, Angelica, Etc.

Northwest corner of Battery and Pine streets, SAN FRANCISCO

HOAG & CO.,

General Produce.

COMMISSION MERCHANTS

NO. 200 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco.
R. M. Williams & Co., Export, Hamburg By.
CUTLER & CO. NEW YORK.
BANK OF ROMANA COUNTY, Patuluma.
F. H. WICKERMAN & CO'S BANK, Patuluma.
BANK OF SAN DIEGO, San Diego.
Cash advanced on Consignments and on Property in Store. 38.13

J. W. COPPAGE.

J. W. COPPAGE & CO.,

COOPERS.

All kinds of Cooperage on hand and made to order on reasonable terms.

REPAIRING, NEATLY DONE.

112 and 114 Jackson St.,

Between Drumm and Davis,

28-19 SAN FRANCISCO.

COMMISSION

SALES-ROOM

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them. Our charge will be Five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash or bills could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following:

THE POTATOE PLANTER,

JEBB'S PATENT CHURN,

CHEESE CURD CUTTER,

PATENT WEEDING HOE,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS
OF ALL THE VALUABLE KINDS.

Also,

TOBACCO SEED.

COTTON SEED

COFFEE SEED.

TEA SEED

FOR THE BEST KINDS OF

FIELD, GARDEN, FLOWER,
Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind.

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care, where they always can be selected.

Any one desirous of having their Gardens look gay through out the season, can be furnished with the plants at a reasonable rate, on applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and best system of Fencing all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE
CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the *ONYX PLANT* and supposed to bloom only once in a Hundred Years is the *Agave Americana* or *American Aloe*, and is one of the most conspicuous and most desirable plants for position in a large circle or front of a large border or in Parks at stated distances, in such places this plant, with Palms, Yuccas, Dracenas and a few of this character give to the grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to their value.

We can offer fine large plants of the *Agave* at from 50 cents to \$1.50 and so securely packed as to go safely any distance, they can be shipped now or later in year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to.

WARREN & CO.

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill. We receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes—there is one essential *Prequisite* that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

THE CALIFORNIA FARMER, SAN FRANCISCO.

THURSDAY EVENING, OCT. 14, 1893.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

380 Clay Street—Marble Building—Up Stairs

FARMER'S READING ROOM—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Models of all productions—Grains, Fruits, Samples, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Ornamented of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Roman type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. Advertisements for the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

S. M. PETTINGILL & Co., 19 State Street, Boston, Phila. are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Our European Letter will give our readers very important information upon many subjects connected with the Stock Interest, Agricultural Education, Best Sugar, &c.

Our Home Department has a Special Chapter for our Young Folks, about to marry.

The Agricultural Department has several Chapters of special value to our Farmers.

The new "Alexander Pease" is noted on Horticultural Page—a Great and Valuable Fruit.

Music—"Bess and I Are Out." This Famous and Happy Illustration of the better way to settle the "Family Troubles," and of which so much has been said and written, has been set to music by Fred. Raybrook, in a new song, and now for sale at "Gray's" Music Store 625 Clay Street.

Crowded Out.

By reason of our absence attending Fairs a valuable Letter on Silk Culture is deferred till our next, when valuable data will be given.

MILLS' INSTITUTE QUARTERLY.

We have received No. 4 of this most excellent Periodical sent forth by the People of this noble Institution. The present number contains most excellent matter both Original and Selected, and reflecting great credit upon those who manage it. We clip from it the following:

Our Dream.—We learn that some interested friends, who have never seen the outside of the Summary, represent us as being very dreary. To such, we have only to say—come and see us, and your testimony will be more correct. True, we do not dress all in black, or white, or yet in sober gray, any more than the pluck and roach—the beautiful flowers God has made. But we believe any candid person who sees us in our school attire, will say we are as school-girls should be—neither too much or too little. We are sure our teachers, by precept and example, lead us to that happy medium which best satisfies all persons of good taste. Good behavior, and good scholarship, not the dress, give standing and position to Mills Seminary. If any have doubts, we have only to say, "seeing is believing;" come and see for yourselves.

Class Motto and Ring.—The class of '74 have adopted for their motto, "Fides opus coronat"—the end crowns the work. This was sent to them by Rev. Dr. Gale, of Lee, Mass.

The class ring is completed and is the senior badge. It is a plain gold band, with a Roman cross in black. On either side of the cross are the letters "M. S.," above a star, and beneath "1874." On the opposite side are the initials of the motto, while inside the whole is engraved. They are said to be the most satisfactory of any yet worn, and will hereafter be the model for all senior class rings, with only a change of motto.

EXHIBITION OF AGRICULTURAL IMPLEMENTS.

The Exhibition of Agricultural Implements at our several Fairs this year has been the most complete, and the character of the implements better than ever before.

Among the Exhibitors who are dealers in them are Messrs. M. O'Hawley & Co., of San Francisco have not only been the Largest and the Best, but they have also the most extensive trade and the most successful of all dealers in our region of country, their trade has been immense, and their Stock the largest and most complete.

OUR ANNUAL FAIRS.

THE STATE AGRICULTURAL FAIR.

We herewith give a continuance of our Reports of the STATE FAIR from our personal observation:

SHEEP.

Robert Blacow, of Centerville, exhibited 7 Peas Merino Sheep, the finest shown at the Fair, among them Buck "Gamester," for which \$1000 was offered, his Buck, "Napoleon," sheared 51 lbs. at a 16 mo. fleece—400 of his best Sheep averaged, as he reported, 22 lbs. each—can our Vermont neighbors do better?

Mr. Blacow showed 28 splendid Sheep—a grand exhibit.

Seymour & Peet made a fine show of 5 Peas—very choice animals—Spanish Merinos, among them "Big Leg," a superb Buck, of great value, also "Victor," 1 year old worth \$1000. S. and P. made large sales this year from their splendid flocks, over \$77,990 in value sold. They sold Ben John Bagge, Colusa, 14 Spanish Rams of the very best quality.

J. A. Hill, of Napa, 3 Peas of Spanish Merinos of the Roberts & Hammond Stock. They have over 7000 very fine Sheep, 140 full bloods, they clipped fleeces of 21 lbs. this year.

Robert Beck exhibited 2 Peas of splendid Silurian Rams, 2 years old, claimed to be the purest Spanish Merinos on this Coast.

M. Treat, Elk Grove, showed Grade Lambs, from the cross of the Silurian Bucks, from R. Beck.

Pierce M. Johnson & Co., exhibited 175 Spanish Merino Sheep, imported from Eastern New York—fine Sheep.

Parker & Claves had 160 Ewes and 50 Bucks, also imported and for sale—fine Sheep, and a best to our State.

Smith and Chapman showed 7 Peas of very handsome Sheep of all ages, with young Lambs.

George W. Hancock had 3 Peas of Spanish Merino Sheep—fine Sheep.

G. O. Baker & Son, of Modesto, showed 6 Peas of very fine Spanish Merinos, among them Buck "Matchless," worth \$1000, also "Golden Fleece," an extra superior animal. This exhibit was a very fine one.

W. G. Brown, 2 Peas of fine Sheep, Spanish Merinos, of the Hammond Stock.

R. W. Wilcox, of Dixon, 5 Peas of very superior Sheep, of the Blacow & Brannan breeds.

Amos Roberts, of Benecia, 2 Peas of Spanish Merino—fine Sheep.

SALES OF SHEEP.

J. S. Fager & Co. of Whiting, Vermont, sold their large Band of Sheep which was on exhibition at the Fair, to G. Baker & Son, of Stockton. The value of these Sheep were \$580, \$390, \$260 each of Bucks, and no Sheep less than \$40—a large sale.

Hon. John Bagge purchased all the interest of Phillips & Schaeffer in their large flock of 475 Merino Sheep of high value—another very large sale. Mr. Bagge is doing a good thing for our State.

CASHMERE GOATS.

N. Gilmore, of Eldorado, made a very fine showing of his beautiful animals, 22 Pure bloods and one Grade, among them "Vashti"—a beauty—entered for 1st Premium, and Sweepstakes, Sultan 3d, entered for 2d Premium, 6 Does entered for Prize, and 10 Does entered for Sweepstakes.

Mr. G. also exhibited fine Buggy Rabbits and Mats, made and colored from the Cashmere fleeces, valued at \$20 to \$25 each—these were all sold to Baker & Co., to go to Vermont.

Mr. Gilmore has a flock of 1100 Cashmères—very choice—75 Pure bloods.

Butterfield & Son exhibited 6 Peas of 29 Goats—20 Pure bloods and 9 Grades. Sold a number to go to San Diego, Los Angeles, &c. Messrs. B. & Son have sheared as high as 8 1/2 lbs. of splendid wool from their fine Bucks, they made a fine display, their animals are noble ones, and have 2000 Goats all grades, with large Bands of Sheep also, Cotswold and Leicester.

Landrum & Co exhibited 5 Peas of Goats—all very fine animals.

O. P. Bailey, of Santa Cruz, 3 Peas Goats, 12 in number, all Pure Bloods, and very fine animals, these Goats of 2000 Grades, clip of 1873, 1300 lbs., sold in Liverpool at 65¢ per lb.

Toos. Shirlind, 3 Peas of Goats—all Pure Bloods and very splendid animals—several of which were sold during the Fair. Mr. S. had a flock of 600 lbs. sold in New York at 65¢. His flock, all Grades in 1890, and many Pure Bloods—a very fine show.

Moses Allen, of Rocklin, showed handsome Cashmères, and entered for Prizes. A Home flock of 600, 60 being Pure Bloods, his fleeces 10 inches long—animals very fine.

SWINE.

A very fine show of Berkshire Swine was made by R. S. Thompson, of Napa, 45 animals, the best shown in this State at our Fairs, they were all very superior animals.

James Moore, of Freepoint, 5 Peas of Berkshires, 23, also crosses of Berkshire and Essex, and Pure Essex, also a fine Sow with 10 Pigs born during the Fair—the whole a creditable show.

R. M. Sparks, of Colusa, 15 Berkshire, 11 very fine Swine, 1 superior Boar, entered for Sweepstakes.

Charles Green, of Rio Vista, exhibited a Sow and 9 Pigs, Essex and Berkshire—fine.

Joshua Fontana, 4 very extra Essex, Pure Bloods.

Peter Burns, 2 Peas Swine.

E. Comstock, 2 animals.

Thomas Dean, a Fine Boar from Kentucky.

K. Sessions, 2 fine Swine.

M. Sprague, 1 Pen Swine.

A. S. Greenlow, 1 Pen Grey Swine, suppose to be the Irish Oriskany.

POULTRY.

Wm. Bassett, of Sacramento, by F. W. Miller, made a Grand Exhibit of the choicest strains of Poultry, 26 Birds, 11 varieties in all, viz: Buff Cochins, Silver Spangled Hamburgs, Golden Pheasants, Dark Brahmans, Partridge Cochins, Blue Heathwoods, Bantams, &c., also Bronze Turkey, and Roban Ducks—the whole a fine show, one of the best made this year.

Dr. W. H. Fraulher made a showing of fine Poultry, viz:

Gold Sealrights, Light and Dark Brahmans, Houdans, and Rouen Ducks—21 Birds of a very choice lot, showing that the Doctor can raise fine Poultry as well as make fine teeth.

Several small lots of Poultry were shown by A. Greer, H. Greer, M. J. Little, Robert Cowne, Peter Burns, and P. H. Fisher.

The whole Poultry show was a very good one—we are making Peacocks.

(Concluded next week.)

SANTA OLARA COUNTY FAIR.

In our last we occupied over three Columns with the Fair of this County, at San Jose, and yet had not space for the Stock Show, which we herewith give, or that part of it we esteem the most important.

Our Cattle Shows, our Sheep, Goats, Swine, and Poultry are now beginning to receive a just share of public notice, and the Cattle Grounds are now largely attended by the better portion of community, instead of the "Bugs Track," yet we are free to admit that the latter carry the greatest number, we think, however, for usefulness and quality, the minority will weigh most impartially.

The Santa Olara Valley Society have the Largest, finest, and most valuable Fair Grounds in the State, and they can have good Fairs if they will try. At San Jose the Stock Show was a very creditable and satisfactory one.

CATTLE.

Carr & Chapman made a very fine show of their Herd of Durhams, the same that was at the State Fair—one of the best Herds in the State. Charles Clark, of Milpitas, with his herd of 7 fine Durhams, attracted special notice—they are superior Cattle, and bore off the "Blue Ribbons."

Wm. Quinn, of San Jose, showed his Durhams, which have always been specially noticed at all our Fairs, and bore off many Premiums.

Col. Younger, of San Jose, known as one of our most prominent Exhibitors of Fine Stock, made a good showing with his Herd of 14 sleek Durhams. The Col. is proud of his cattle and will he may be, he has made them his pride.

Thomas Blake, of Santa Clara, very fine Devon Cattle, a Bull and three Calves—Premium Stock.

A. L. Boggs exhibited 2 Durham Bulls and 3 Calves—all fine.

Wm. H. Hall exhibited his Durham Bull, Tompest, a superior animal—Prize one, and valuable.

Maj. Vernon showed "Dandy Jim of Caroline," a splendid Durham Bull, one of the best showed this year, and if he don't win all the time in the best of competitors, it is not that he does not deserve it—this animal is one of the best in our State.

The large Pair of Fat Cattle from the East, imported by Mr. Singletary, and also exhibited at the State Fair, weighing 5660 lbs., were specially admired. This Pair was sold for \$1200 to a California Market Butcher—this shows Fat Cattle pays.

G. B. Polhemus had his fine Herd of Alderneys on exhibition, and took all the Premiums. This class of Stock will soon prevail, as they give the richest milk and make the finest butter in the whole class of Cows.

S. B. Emerson, of Santa Clara, exhibited his fine "Holstein Cattle," Here is a class of Stock that is worthy of special attention, the choice breed of the "Dutch Dairy Maids."

Wm. Quinn, Col. Younger, Carr & Chapman, and Charles Clark exhibited Fine Grade Stock, showing how much our Stock can be improved by the Durham and the Devon Crosses.

GOATS AND SHEEP.

Lewis & McCrackin, of Santa Clara, made a very fine show of the "Cashmere Goats," several Peas, among them, Buck, "Prince of the Plain Mountains"—a splendid animal, several other superior Bucks and a number of Fine Ewes, also quite a number of Kids, their fleeces colored Pink, Purple, Maroon and Saffron color. They attracted much attention and great curiosity to know, if they grown so.

This Band took all the Premiums. This Firm also exhibited splendid Spanish Merino Sheep—as fine as has been shown this year—Premium Sheep.

R. F. Watkins, of Santa Clara, showed fine Spanish Merino Sheep.

B. Bryant exhibited Cotswold Sheep, and Spanish Merinos, and made a showing of their fleeces in the Hall—extra quality.

SWINE.

O. L. Randall, of Santa Clara, Essex and Berkshire Swine a number of each.

E. A. Moorhead had Essex and Berkshires.

J. Q. Peal, a number of Swine.

Charles Clark, of Milpitas, made a good show of a fine Lot of Berkshires—superior quality—rarely equalled.

There were a few other animals on exhibit but the owners were not "Come-at-able" the Rascals drew them away, and we lost the facts and entries.

MORE REPORTS OF FAIRS.

We are obliged to defer the Reports of several Fairs till our next, these will all be given from our own notes, made by personal attention to what was exhibited.

The Fair at Ukiah, at Petaluma and at Santa Cruz, will all appear in our next completed, also, the Fruit, Vegetable and Miscellaneous articles at the State Fair, with Agricultural Implements, Plowing Match, &c., with Specials.

BANKS AND BANKING.

While the Eastern States are being Revolutionized in their business and in their systems of Banking and many Banks and Bankers closing business with doubt and distrust must exist in our State, which are safe or solvent, California stands "Firm as a Rock," no doubt, fear or distrust with our Banks full of coin, while business goes on as usual and everybody is satisfied.

We think California may well feel proud of her ability to meet a crisis that has fallen upon so many of the largest Banking Institutions in the country, crushing them, but leaving California safe and unscathed.

Our Banking Institutions have largely increased and all upon the Basis of Gold, Gold Notes, and Gold Coins, in their foundation, and will always remain so until the whole country shall come to the same standard, and Specie Payments be again resumed.

Among our many New Banks we can name the "Western Savings and Trust Company" 138 Montgomery street, connected with the Institution of "Life Insurance" whereby the holders of the Pacific Life Insurance Co., and all Trust Companies and Insurance Policies and Certificates, can at all times be converted into Gold, or use them as Gold Collaterals, by which Policy Holders are greatly benefited; and the Bank also.

This New Institution of only July last, has been doing a large and very prosperous business. Since its opening, its business has been constantly increasing until now when the daily business has become quite large, new depositors and new connections, making it one of the good and the permanent Institutions of our City and State, for the particular forms of its business reference is made to their Advertisement in our Columns.

CALIFORNIA FRUIT IN NEW YORK.

California Fruit commands a good price in the Eastern markets if it has been picked and packed with care—poor Fruit or careless Packing don't pay.

We have advices from New York of late dates where our Fairs sold at \$4.50 to \$5.00 per Box and Pines and Juices sold at \$3.50 and \$4.50, while at the same time Fruit too ripe when packed was a perfect mass and resulted in a heavy loss.

It requires good judgment and great care to be a successful shipper of Fruit—many parties have tried the business, lost money and quit it.

Messrs. A. H. Cummings & Co., of Sacramento, very large Dealers in Fruit, sending many Car Loads daily all along the line from Sacramento to New York and the surrounding States, have by their experience in selecting varieties, and in careful packing, have won distinction as shippers.

E. A. Gould, Esq., of Santa Clara, another large shipper, has sent over the Railroad this year from Thirty to Forty Car Loads of Choice Fruit—say from 300 to 400 Tons. Mr. Gould fully understands the business and has been quite successful in this trade.

Mr. Gould has also been very successful in Dry Fruit and shipping this also in large quantities East. These efforts greatly benefit our State, for which efforts they deserve great credit.

LOCATION OF APIARIES.

In a conversation with J. S. Harrison, Esq., the well known Bee man, of Sacramento, in speaking of the location for the raising the "Honey Bee," Mr. H. says: I advise all who wish to establish large Apiaries of the necessity of such locations as will not be contiguous to other collections of Bees.

The Bee, says Mr. Harrison, will fly from 5 to 8 miles from their own Hive in the pursuit of their wants, and thus they sweep over a radius often of 16 miles in Diameter, what Industry like this? They by their instinct, say they desire to avoid the feeding ground of other Bees; and if there is a large apiary near on one side they will only take one side of this circle. This wisdom shows they will not waste time to go over the ground where other Bees have gleaned the best food.

Here is a valuable lesson for Bee-raisers to learn, and thus be careful to make their location for large Apiaries at proper distances from others, this rule does not apply to small lots of one to 5 or 10 hives.

Mr. Harrison is a skillful Apiarist, as his "Bee Book" testifies—a Book every raiser of Bees should have and study.

Mrs. H. says: a large range of trees, even if not timber, is better than a good range with many Colonies, and too many colonies.

THE MONEY PANIC EAST.

The recent failures of the largest Banking Houses in our country involving many of lesser note, with many Saving-Banks, Money Bankers, Speculators and also Shipping Merchants and other Merchants, should awaken an interest in our authorities, our Legislature especially, to see if such calamities cannot be prevented in the future.

In a Money Revolution like this, it is fortunate indeed that we have at the Head of our National Government a man who is firm enough to resist all the outside pressure of financiers, and Stand upon Law.

Pres. Grant has now proved himself a General in Chief, won Honor to himself and the Nation by his firmness and decision, and we believe his act in this Panic will so check and over brow the schemes of "Rings" and "Speculators" in Gold, that as soon as this storm in the money circles shall have spent its fury, and the many wrecks be cleaned away, we shall speedily march on to a Resumption of SEVEN PER CENT.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of all the Routes of the General Pacific, Western and Southern Pacific Railroads, with Time Tables complete, together with Steamboats and their Time Tables, all corrected and complete, for reference, and for all travelers.

THE HORTICULTURAL EXHIBITION.

The late Horticultural Show held in our city by the Bay District Hort. Society, was one of the best displays of Floral Gems ever made in our State, it was a truly magnificent display, and it reflected great credit upon the Managers in getting up so noble a display of Plants and Flowers.

We were present at the opening evening and listened with pleasure and interest to the very valuable Address of Prof. Carr, and to the Choice Music also, but as we looked around the Hall and counted Sixty Visitors only, we felt ashamed of our citizens who could allow so creditable a show to suffer for the want of true appreciation.

We attended again to go through a careful examination of the Flowers and Plants to record each Exhibitor, but found only Numbers on the various Stands, therefore we could not report each of the Exhibitors.

The attendance the second evening was too small for so grand a Show, and as we were called to attend other Fairs, we learned with deep regret that the Bay District Society were compelled to close their Exhibition for want of a just appreciation and a support sufficient to pay expenses, and a Display too, that in Europe would have secured an attendance of Thousands every evening.

We shall hereafter speak of the articles at this Show, and of some facts connected with this Fair.

CUTTING DOWN THE OAKS.

We notice with much regret as we travel over the State how rapidly the "Native Oaks" are falling before the Woodman's Axe, and if this practice shall continue on our fine farming plains, it will be an almost treeless waste.

The excuse with many for cutting down the Oak is, that they are unsightly by reason of their many broken limbs and sprawling heads, therefore they cut them down.

We would say to all such, "Spare that Tree," we can show you how to restore that tree to a goodly form and healthy state, provided the trunk of the tree be sound, cut off all the old limbs short and form a round head, never fear of killing the tree, cut in close, in a little time the tree will send forth its new shoots and in a few years, thus pruned, will make beautiful ornamental trees, their rich new green foliage giving grace and beauty to the whole scene around—besides such trees will attract the moisture in the surrounding atmosphere, giving all more life and health in the vicinity where they grow.

THE SQUIRREL PEST.

A meeting of those Farmers interested in the destruction of Squirrels was held at the "Mechanics Institute" the present week to devise ways and means to effect their purpose.

We attended to note how great was the interest, sixteen persons present, a series of Resolutions with a form of a Law was presented, and measures were adopted having reference to presenting the matter to the next Legislature, and Committee appointed for that purpose.

Statements were made which represented the Loss by the Squirrels in this State to be 2 to 3 Millions of Dollars, we think the speaker meant to say 2 to 3 Hundred Thousand Dollars instead.

The subject will come before the Legislature and is worthy of immediate action.

THE LATE RAINS.

The late Rains have done wonders to this State, they may have caught some of the Early ones, whose Grain or Hay was exposed, but if a lover of Nature's Laws, always perfect, will go into the country and travel 500 or 700 miles per week as we often do, and see the good the Rains have done, they would rejoice as we do.

In many places where the rain was heavy as in Santa Cruz Co. the Grass and Grain is showing green over the fields, and Nature seems putting on the Robes of Spring again, in as the sight was beautiful, Grass two inches high, and in other fields the Plows turning up the fresh soil—a grand sight.

A GRAND REBUKE.

Advice.—If we might give advice to some who find it necessary to ride or drive for their health on Sunday mornings, we would suggest that Seminary Avenue is very dusty, and that ladies neither wish to be started, hit, nor covered with dust, as they return from church. These gentlemen could doubtless get their driving and perform their feats of riding and driving elsewhere, be less of a laughing-stock, and at the same time oblige those who do not like the dust or the trade dress.—Mills Quarterly.

[This excellent rebuke is well-merited, and will equally apply to our city churches where want of courtesies outside the church is so common and rudeness so prevalent, it is time a Rebuke should go from the Pulpit.—Ed. F.]

ALFALFA FOR SEED.

This famous Clover is worthy the most careful attention and study of our Dairyman and Stock raisers, as from last years trials properly made it has been fully demonstrated that from 5 to 10 Tons per acre can easily be harvested of the best hay that stock can have.

Geo. Bidwell, of Ukiah, will put in very large fields of Alfalfa this year—One Thousand Acres possible—many Stockmen will plant largely.

Great care should be had to select proper seed and locally, and to plant at the proper season. We have reports from many Growers of their experiences, and shall be glad to give special information to all who desire to plant. If they will call at the Farmer Office, or write us, we will give them special directions and furnish them choice samples of seed at low figures.

An Article of True Merit.—Brown's Bronchial Trochiscs are the most popular Article in this country or Europe for Throat Diseases and Coughs, and this is only in based upon real merit.

THE INFALLIBLE COUGH AND CONSUMPTION CURE.

As a remedy for Coughs, Colds, Soreness of Throat, Whooping Coughs, Phthisis, Bronchitis, Asthma or Consumption the INFALLIBLE COUGH AND CONSUMPTION CURE has no equal. In cases of Consumption the patient should take in consideration the condition of the lungs. If they are too far gone, of course a perfect cure is impossible, although in many cases when Physicians have given up all hopes it has effected perfect cures. Sometimes Physicians are mistaken. The best proof of that is to try three or four different ones, and in nine cases out of ten every one of them will have a different opinion and prescribe different remedies; so before giving up all hopes give the INFALLIBLE CURE a fair trial. If there is a possibility of a recovery, the patient will not regret using the INFALLIBLE COUGH AND CONSUMPTION CURE. It acts as a stimulant and a light expectorant, but its virtue, its strength and its wonderful effect on the lungs is centered in its great healing powers, allaying irritation, soothing and healing the lungs, thereby promoting a free and easy respiration, and a permanent cure. For Coughs or Colds, Chronic, long-standing or of recent construction, the INFALLIBLE CURE is acknowledged by all who have used it to be far superior to any remedy ever placed before the public, acting directly on the mucous membrane, it cuts and loosens the phlegm, which by a free and expectoration from the lungs, relieves the patient almost immediately. Recent Colds are cured in from One to Three days.

W. H. H. WHITE, Proprietor,
1233 Pacific St., San Francisco.

GRANA & BRIGHAM, Wholesale Agents,
San Francisco,
For Sale by all Druggists. 40.4

STATE FAIRS.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.
Annual Fair at Jackson, October 15th to 15th inclusive.

NORTH CAROLINA STATE AGRICULTURAL SOCIETY.
Annual Fair at Raleigh October 14th to 18th inclusive.

MARYLAND STATE AGRICULTURAL SOCIETY.
Annual Fair at Baltimore, October 28th to 31st inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Richmond, October 28th to 31st inclusive.

GEORGIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Macon, October 27th, to November 1st.

NORTH CAROLINA STATE AG. SOCIETY.
Annual Fair at Raleigh, Oct. 13th to 18th inclusive.

MISSISSIPPI STATE AGRICULTURAL SOCIETY.
Annual Fair at Jackson, Oct. 13th to 18th inclusive.

SOUTH CAROLINA STATE AG. SOCIETY.
Annual Fair at Columbia, Nov. 4th to 7th inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.
Annual Fair at Richmond, Oct. 28th to 31st inclusive.

COUNTY FAIRS.

SANTA CRUZ DISTRICT FAIR,
Fair at Santa Cruz, October 16th, 17th and 18th.
The Fair managed by the "Farmers Club."

SOUTHERN DISTRICT AG. SOCIETY.
Fair at Los Angeles, November 10th to 15th.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Traveling over our glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most comfortable and convenient places for those who journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Alameda Hotel, and the most beautiful region around our city—we can truly commend them of whom we speak from personal knowledge, and shall speak of them and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Spa Hotel..... Napa City
The Calistoga Hotel..... Calistoga.

BIG TREES OF CALAVERAS.

Via Western Railroad and Geysers.
To arrive Hotel..... Stockton

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.
SAN JOSE, ALMADEN MINES, &c.

The Anacosta Hotel..... San Jose

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.
YOSEMITE VALLEY.

Northing's Hotel..... Yosemite Valley

MARIN COUNTY

Marin Hotel..... San Rafael.

Travelers who are strangers can rely, that at these Hotels they will find the best and kindest attention and courteous, and will never be imposed upon by exorbitant charges.

DO TRY IT 3 Months for 10 Cents; or with \$3 Chromo, for 50 Cents. The National Agriculturalist and Bee Journal is a sixteen page paper of 64 columns, handsomely illustrated in all its departments. One of the Best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Bee Book, or \$1.50 with a beautiful Chromo. Send for Sample Copies, and Liberal Terms to Agents, (free). Write now to

H. A. KING & CO., 114 Murray St., New York.

FOUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they can show WRITTEN AUTHORITY FROM US.

New Advertisements.

THE WESTERN

Savings and Trust Co.,

136 MONTGOMERY STREET.

Occidental Hotel Building, San Francisco,

CAPITAL, 1,000,000.00.

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A. G. STILES.....Vice President and Cashier
J. H. GRIFITHS.....Secretary
H. H. HAIGHT.....Attorney

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PETER SPRECKLES, San Francisco.

ALL KINDS OF SAVINGS, COMMERCIAL AND TRUST FUND DEPOSITS will be received in sums of not less than three dollars.

DIVIDENDS will be payable semi-annually, in January, and July of each year. No charges will be made for opening accounts.

Loans will be made on security of Real Estate, United States Stocks and other approved securities. 79.12.

Established 1853.

Stock for Nurserymen and Florists.

TERMS CASH.

Gerry Seedlings Mazarid,	\$12.00 per 1000
" Mahaleb,	20.00 " 1000
Apple Seedlings,	12.00 " 1000
Pear Seedlings,	15.00 " 1000
Walnut, English, 4 to 5 feet,	5.00 " 100
" California Black, 4 to 5 feet,	3.50 " 100
Spanish Chestnuts, 5 to 12 inches,	15.00 " 100
Cork Elm, 4 to 5 feet,	15.00 " 100
" " 5 to 8 feet,	20.00 " 100
Blue Gum or Eucalyptus in variety	\$3 to \$10 " 100
Magolia Grandiflora, 3 to 5 inches,	\$ 3.00 per dozen
" " 6 to 10 inches,	6.00 " "
" " 12 to 18 inches,	12.00 " "
Golden Arborvitae, 8 to 12 inches,	6.50 " "
" " 12 to 18 inches,	8.50 " "
Heath Leaved Arborvitae, 12 to 18 inches,	6.50 " "
Crataegus Arbores, 12 to 18 inches,	2.50 " "
" " 2 to 4 feet,	8.00 " "
Eucymus Septans Variegata,	2.00 " "
" Fulchella,	2.00 " "
" Argentea Marginalis,	3.00 " "
" Japonica,	3.00 " "
" Aoria,	3.00 " "
Sweetish Juniper, 12 to 18 inches,	3.50 " "
Heath Mediterranean (Hardy)	2.50 " "

Will only sell in quantities specified at these prices, if less 10 per cent. added, if more 10 per cent. discount.

FRUIT TREES! FRUIT TREES!! AND WHERE TO PURCHASE THEM!!!

The Santa Clara Valley Agricultural Society has awarded to the Largest Collection of Pears, First Premium to B. S. Fox.

Best Twelve Varieties of Pears, B. S. Fox.
Largest Collection of Apples, B. S. Fox.
Best Twelve Varieties of Apples, B. S. Fox.

Best Collection of Prunes, B. S. Fox.
Largest Collection of Nuts, B. S. Fox.
Best Soft Shelled Almond "Langue-de-Cat," B. S. Fox.

Forest Trees, Shade Trees, large and small in quantity.

BERNARD S. FOX,

SAN JOSE.

THOMAS NEGERIN, Agent,
Battery Street, San Francisco. 40.3

PURE ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN BEE, raised and grown by the undersigned and reared in the HARBISON "PATENT LIVE."

We can supply to the extent of 300 Good Swarms. These Bees require less care than any other Bees known, and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the Apiary also, and see the vast numbers of Bees at work, wherever there is a Flower there will be found the "Bary Bee" at work.

Address J. S. HARBISON,

Sacramento.

TREES, SEEDS,

VINES,

BOOKS.

40.1

Now Catalogue Free to all
A complete Stock of
Fruit Trees, Evergreens, Forest
Trees, True Seeds, Small Fruit,
Grass Seeds, &c. at
UNION'S NURSERY,
Princeton, Ill.

We send out Good Stock, well
packed. Try to
Special Inducements to Nurseries
and Dealers.
Bryant's Forest Trees, prepared
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Send for Select Book List.
Address A. Bryant, Jr.,
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HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE

Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amazon Insurance Company,--Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company,--Chicago, Ill.,	1,100,000
Glynd Insurance Company,--Philadelphia, Pa.,	655,000
Kansas Insurance Company,--Leavenworth, Kansas,	250,000
National Life Insurance Company, of U. S. A.,--Washington, D. C.,	1,235,000
New Orleans Mutual Insurance Association,--New Orleans, La.,	1,478,000
North Missouri Insurance Company,--St. Louis, Mo.,	1,235,000
Penn Insurance Company,--Philadelphia, Pa.,	285,000
St. Paul, E. & M. Insurance Company, St. Paul, Minn.,	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS,

39.21

No. 314 California St. San Francisco, Cal.

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"PACIFIC WAGONS,"

FARM,

QUARTZ, AND

HEADER WAGONS.

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AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

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WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. E. J. Glend, Geo. W. Hoar, Hampton Bros, Jacinto; Hill & Ennough, Agents for Marysville; Wm P. Miller, Agents for Stockton; J. Balbonch & Co., Agents for San Jose; Smith & Baxter, Agents for Gilroy; S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. I. Case & Co. 48-inch Cylinder Threshers. 39.18

NEVILLE & CO.,

Bag, Tent, and Hose

Factory,

113 Clay & 114 Commercial Streets,

San Francisco,

Importers, Manufacturers, and Dealers in all

kinds of

Bags, Burlaps, Duck, Can-

vas and Cottons.

ORDERS RESPECTFULLY SOLICITED.

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39.20

THOS. A. GAREY'S

Semi-Tropical Nurseries.

SA PEDR STREET.

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern

Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 263,

THOS. A. GAREY,

Proprietor.

LOS ANGELES, CAL.

Send for Price List. 40.3

POSITIONS AND PLACES WANTED.

We are constantly in receipt of Letters from the Eastern States, making inquiry for Prominent places for competent persons as Head-men on Stock Raising Farms, Overseers on Ranches, Head-men to conduct a Dairy, or a large Poultry establishment. This shows that the various and large products that are shipped over the "Railroad" and by Steamers East, are attracting great attention, so much so as to induce those who feel qualified to act as Superintendents to desire to come to our State as a new field of operations.

As it is in our power to furnish both parties the Employer and Employe, with what they desire. We advise all such to make known their wishes fully and confer with us.

WARREN & CO., FARMER OFFICE.

BAGS! BAGS! BAGS!!!

Messrs. Ross, Dempster & Co., large Importers of Grain Bags, are offering them by large invoices to the trade, this House sell them by Millions annually.

A FINE HOME

FOR SALE.

A very fine located Farm of 195 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1300 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bugy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly. 39.34

THE ITALIAN BEES.

The Italian Honey Bee has now been well proved in California that it can be safely estimated as worth four times as much as the old Black Bee.

The Italian Bees are easier to manage and handle in every way--in "Swarming," in "Removing Honey," or "Transferring," and experience has shown that they will make double and treble the quantity of Honey of the Black Bees.

Persons wanting swarms of "Italian Bees" can see them at work and receive all instructions for their culture by calling at the Garden, corner of Mason and Pacific Streets.

BOUND VOLUMES OF FARMER

We are now prepared to offer the BACK VOLUMES of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

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Home Miscellany.



WE HAVE DONE IT UNTO ME.

"Father," said Karl, "we ask each day—
"Lord Jesus come and be our guest;
This food be placed on this table,
And be thou present at our feast."

"And yet the Saviour doth not come,
Although we bid Him every day;
Though oft invited to our home,
He never comes at all this way!"

"Be still, my child; believe His Word;
Ask on, and wait, and be content;
He doth not scorn our humble board,
Nor yet the message we have sent."

"Wait then," said Karl, "this chair I place
For our Lord Jesus, as our guest;
Perhaps this very day He'll grace
Our humble home and fragrant feast."

That very eve, mid ice and snow,
(The night was dark, the hour was late),
A stranger stood, in wait and woe,
And waited, before the gate.

The stranger knocked; the opened door
Gave light, and welcome, warmth of home;
He was unknown, for none before
Had seen him go, or seen him come.

The children all throng round to see
And Karl looks on with wondering eyes.
He surely, surely, cannot be
His dear Lord Jesus in disguise!

Each took his place; on every side
The question there arose, "Where
Shall we a place for him provide?"
And each responds, the vacant chair!"

"Ah, now I see," the orphan said,
"My Lord would not himself come down;
So He has sent His angel instead,
To occupy His vacant throne!"

Yes, "hungry, and ye gave Me food;
Altho' I, and ye refrained My soul;
A stranger, and ye fed Me good;
And sick, and ye did make Me whole!"

In every child of want, each one
A proxy for the Lord may see;
"What to the least of these I do,"
Said my dear Lord, "is done to Me!"

—Rev. Robert Maguire.

FOUND WANTING.

To know one heart that could comprehend,
One soul that would never read you amiss,
In a word, to possess a perfect friend
Is there any wealth that can equal this?

I whirl along in the flying train,
The clouds fly by to the windy skies;
The frozen river's a wide, white plain,
Whose glare and glitter affront my eyes.

For eyes and heart are sore with the sense
Of parting words that were less than kind.
From my friend's prompt to recent offence,
When never his shadow has crossed my mind.

When the idle speech that was answered so
Was only a jest that was meant for cheer,
And to hide the feeling I would not show,
The pale, pale pain, and the yearning year.

He ought to have known. But that is the worst,
That he didn't, and never will understand;
This blow to day it is not the first,
Nor will be the last I shall have at his hand.

I have had my dream of a friend—alas,
That dream like these should be false as fair;
But, indeed, if it ever should come to pass,
It would leave too little to do or to bear.

That dream felt led would suffice for me—
Hope and faith, and all desire
For the world that is, and the world to be,
Would seem so chaff to a tongue of fire.

If ever my heart that has starved so long
Should find its means, and take its fill—
Better to suffer, be happy, and be strong,
To wait in patience, and wait to still.

For what is life but a flying veil,
That bears us on to our journey's end?
And starts the burden of loss and pain
I may discover and win my friend.

—The Aldine.

WHERE TO SEND YOUR SONS.

Parents are often in doubt where to send their sons to school. Those who have personally examined the workings of Heald's Business College never are, since the merits of an institution as a training school for young men is apparent at first glance. Its course of instruction is adapted to the wants of everyday life. Its aim is not simply to fit young men for business, but to prepare them for the duties of a useful and honorable life. Its instruction is adapted to the farmer, mechanic, and professional man, as well as to the man of business. It is an error to suppose that its pupils all intend to become bookkeepers. Indeed many have no such intention on entering, but desire simply to have a reliable and practical education which shall help them to gain a living in whatever calling they may adopt. All of its graduates, however, are able to keep books or manage a mercantile business properly, if they so wish, thus having an honorable and lucrative trade to fall back upon if occasion shall ever require it.

IN HASTE.

[The following story we take from the *Discreet Journal* written by "Auntie Dean," and it proves the *Old Adage*.]

"Marry in Haste, Repent at Leisure."

A Lesson many of our Young Girls would do well to remember.—Ed. F.]

"Do, dear Nellie, listen to me. I'm sure you can ask for no better evidence of my faith than I have given. And as for myself, I've presented letters of recommendation which must have satisfied your careful mamma. Don't look reproachful! I don't blame her in the least for guarding the home nest; but some day she will part with her wee bird; she cannot keep you always—and why not now? You say you love me; then listen to me, and do not send me away to wait for you until I lose you to some one else!"

"But Louis," replied the young girl, "you must remember that mamma has lost so many out of the home, that her heart is sore, and she cannot bear to give me up yet. I'm only seventeen, she says, and if I'm married at twenty, it will be soon enough to take upon myself the new duties of a wife. I cannot endure to displease her, nor can I bear your half-reproachful arguments. I wish I knew what to do." And the puffed child covered her face and wept.

Louis Bridgman was a Lieutenant in the United States army. He was stationed near the village of Wyndham, a delightful resort for people of leisure; as was his usual custom, he had missed no opportunity to extend his acquaintance among the best families of the place, and thus had been brought into the most friendly relations with Mrs. Edgcombe and her two daughters, Mary and Nellie. Soon after his introduction, he had presented letters from well-known and responsible gentlemen, vouching for his irreproachable character, and the widowed mother felt that it was unreasonable to deny him the social courtesy due to all who have not forfeited their right to it. So Louis Bridgman had a clear field whereon to display his powers, and soon the pet of the family had yielded to his power.

Contrary to Mrs. Edgcombe's expressed wishes, he now commenced urging an early marriage. Of what use was it to wait? He might be ordered to the Northwest, and then there was no certainty of their ever meeting again. In his military life there were a thousand chances against him. And she was in society, and he feared some fashionable rival might win her away from him. Nellie was to much of a child to feel wounded by his distrust of her; she simply felt glad that he loved her so much. And so she joined her outcries with his, and finally Mrs. Edgcombe, against her own better judgment, yielded to their wishes.

On her seventeenth birthday Nellie Edgcombe was folded in a bridal veil and crowded with orange blossoms, and given into the keeping of Louis Bridgman. A few friends of the bride, none of the bridegroom, witnessed the ceremony. The young husband was radiant with his victory, the young wife was blissful in her love; but the widowed mother felt sadly uncertain regarding the future. She could not feel the confidence in Louis Bridgman that she wished to feel, and yet she could not bring a good reason for the want of it. It was woman's intuition joined with the prophetic love of a mother. The wedding journey was taken, and the child bride returned to her mother, and in the quiet of her old, happy home sat down to repent.

AT LEISURE.

Soon after his marriage, various suspicious-looking callers rang the bell at the Edgcombe mansion, and in a quick, business-like way, inquired for Louis Bridgman. At first they left no name, but after a time they requested that the Lieutenant be asked to call at certain business houses. These notices he always treated carelessly, yet was certain never to indicate the nature of the requests, even to his wife. Then bills were left for him by well-known collectors, and these he crushed angrily and thrust into his pocket. When a few weeks had elapsed, he was legally summoned to appear in court and answer to an indictment for obtaining money under false pretences. Then he became enraged, and fiercely asked Nellie who ought to have the care of her fortune, if not her husband. He had not, he said, been even told what it was, nor how much there was; he averred that he had been treated with contempt in the matter.

"Oh! don't talk so, Louis! Mamma will be so angry. She was afraid you wanted my money, and not me, and that was why she wished to put off the wedding."

"Well, Nellie," replied the provoked husband, "you are my wife. Whatever disgrace falls upon me, falls upon you as well, and upon your proud mother. So you can all do just as you please. I shall be arrested within two days; the whole thing will be in the papers, and the Edgcombe family can become notorious if they like it." He seized his hat and left the house, not returning until daybreak, and then in a state of intoxication.

Mrs. Edgcombe was a woman of decision, and when she was convinced that circumstances justified severe action, she had no disposition to shrink. The next morning Louis Bridgman did not appear in the breakfast room, and Nellie's tired, weeping eyes aroused all the mother's love for her darling child, and her indignation against the fortune-hunter. After breakfast, she sent a written request to her son-in-law, that he would wait upon her in the library as soon as convenient. Nellie begged her mother not to be harsh with her husband and drive him from her; but Mrs. Edgcombe insisted that if he were what he was very rapidly showing himself to be, there was no hope of any reformation; that he was lost to all sense of honor, and she would never consent that her daughter's whole life should be made utterly miserable and hopeless. She had yielded too much already to his selfish wishes and to Nellie's importunity. She had testimony from reliable sources that Louis Bridgman was an adventurer; he had disgraced himself in the most villainous

manner; the letters of introduction he had presented were forged; his own father had forbidden him the house. It was enough that he had succeeded in joining his dishonest to her family; himself she would not receive as a member of the household. Nellie feared her mother when the old proud, commanding spirit was up, and she crept in among the soft cushions of the great easy chair and hid her face, and wept.

Very late in the morning, Louis Bridgman entered into the library where Mrs. Edgcombe awaited his coming. He showed very plainly his recent debauch, but tried to throw off the embarrassment which he could not but feel. The lady received him with cool dignity and bade him be seated.

"May I ask," said the young man, "to what I am indebted for this summons to your presence?"

"You may," calmly returned Mrs. Edgcombe. "I wish for some explanation regarding certain reports which are abroad affecting the fair reputation of my son-in-law, Lieut. Bridgman."

"To what do you refer?" inquired the Lieutenant.

"I refer to the charge of obtaining money under false pretences, which you are to answer in two days. I also refer to a certain theft which a young man, whom you well know, committed in Boston last Christmas; I also refer to a mock marriage entered into by one Louis Bridgman with a simple factory girl in the Atlantic Mills, by which he succeeded in ruining her whole life."

"How came these pretty stories to your ears? Does Nellie know them?"

"No, she does not know all; and upon your course it depends whether I ever tell her the whole. But you must leave my house, and you must leave my child. If you insist upon staying here, I myself will take measures which will make you glad to leave the country."

"I've a right to money with my wife; and then I could make my affairs all right. But you've treated me like a whipped boy; you've never even told me what Nellie's fortune was; surely I ought to know something of my wife's business."

"There's your mistake, Lieut. Bridgman," responded Mrs. Edgcombe; "your wife has no business matters; she has no fortune; the Edgcombe estate is entirely in my hands; I hold the 'ribbons,' and the 'fortune' which you looked for when you sought my child goes exactly where I choose to have it go."

"Heavens!" exclaimed the baffled young man, "I'm lost unless somebody comes to my help!"

"Well, that somebody is not I," said Mrs. Edgcombe. "Your best course is to leave this place at once, and if you tell me one, not even Nellie, when you are going, you will gain time, and can perhaps save yourself from your deserved punishment. Farther than this I cannot aid you."

Louis Bridgman was not a brave man. How could he be? When midnight fell upon the beautiful town, he rode away; though the officers searched for him, no clue was found to his retreat. Before the year was gone, however, a dead body was carried to the Morgue in the adjacent city, and upon the stained, white linen, the bystanders read the name of Louis Bridgman.

When her eighteenth birthday came round, Nellie Edgcombe laid her childish head upon her mother's bosom and wept bitterly, for she knew she was a widow, and that her husband filled a dishonored grave.

AN ATTACK ON BABY-WAGONS.

The *Medical Times and Gazette*, (Eng.) has the following article on this subject, which presents it in an important point of view: In one of his recent *feuilletons*, M. Latorre calls attention to the mischief which may arise from the now almost universal employment of perambulators for the transport of children. He chiefly dwells upon what happens to young infants, who, in place of resting on the nurse's arm and gradually bringing the muscular system which supports the trunk erect into use by exercise, and accustoming their senses to the perception of surrounding objects, now lie recumbent and somnolent in a state of dangerous quiescence. Woman, he believes, is thus abandoning yet another of her functions, which, in all eyes but her own, render her attractive; and although she may relieve herself of some fatigue, it is at the risk of the welfare of her child. "Certain I am that an *enfant à loup* is a retarded infant; it will walk later, and smile later." He calls for facts and observations on what he believes to be an important matter in infantile hygiene.

Of its importance scarcely any one can doubt, when he sees infant after infant propelled along, somnolent and unconscious. But the perambulator makes a probably far more mischievous to children of older growth, as impeding, by the indolent habits it engenders, the general development of the muscular system, and placing the child in a state of mischievous isolation. The careless way in which the perambulator is driven must also not consequently be a source of mischief, and some of the reverse jerks or greater violence which this gives rise to, may not unfrequently be the unsuspected source of cerebral mischief hereafter to be developed. At all events, the subject is worthy of professional attention, the practice having grown so universal as to render it very desirable to know whether it is so innocuous as this ought to imply.—*Paed. Med. and Surg. Journal*.

DRYING EGGS FOR USE.

We don't know where the following originated, but give it for what it may be worth to the reader: The eggs are beaten to uniform consistency, and spread out in thin cakes on butter plates. This dries them into a paste, which is to be packed in glass cans and sealed. When required for use, the paste can be dissolved in water, and beaten to a foam like fresh eggs. It is said that eggs can be preserved for years in this way, and retain their flavor.

TO CLEAN CHURCHES.

Mix a soft cloth, gently wash the face of the chancel and wipe it dry. The varnish on the surface of the plate protects the colors.

WARMTH AND SUNSHINE.

Is there room in the Woman's Department for one of its readers to put in a word about warmth and sunshine? We need them both these chilly autumnal days, yet there are many who persistently close every blind to the house, say it is too early for sunbaths and fires, and go shivering and sniffling about with colds, or limping with the rheumatism.

A little child came in to see us this afternoon, and sat an hour or more, sunning herself in our cozy sitting room. She was dressed beautifully in flounces and ruffles, but they did not keep her warm. She said their house was cold and damp, and she had been frizzling all day. "Why didn't her mother open the blinds and build a fire?" "Oh, the sun would fade their beautiful carpets, and the best of the fire would drip in the flues!" So, in order to keep out a few flies and save their furniture from fading, many convert their homes into damp and dreary prisons, and the inmates have to go elsewhere for warmth and sunshine. The doctor's horse paws impatiently at the gate, and the father pays heavy doctor's bills, wondering why every one must be sick in the fall of the year; and all the time the life-preserving sunbeams are struggling in vain to enter through the closed blinds. If the careful housewife would but consider the matter she would find that the dampness and mould injure her house and household goods more than the flies and sunshine, and it would be wiser for her to have less expensive furniture and care more for the health and happiness of herself and children.—*Quora in Maine Farmer*.

We add a word to the above earnest and sensible plea for warmth and sunshine at this season; to give, if possible, more force to the important suggestions of our correspondent. Especially should mothers see that their little ones are properly protected from the cool winds and damp air of these autumn days and evenings. If your boy has been playing out of doors during the day, as night comes on or by the middle of an afternoon, have him put on an extra coat or cape, or tie a warm comforter about his neck. Be sure and have all children wear flannel next the person from this time onward, putting on a thicker one with the approach of colder weather. Towards night build a fire in the sitting-room, light the lamps, and keep your children in doors after 6 o'clock.—*Editor Home Farmer*.

PLEASURE FROM GIVING PAIN.

So violent are the passions of anger and revenge in the human breast, that it is not wonderful that men should prosecute their real or imaginary enemies with cruelty and malevolence; but that there should exist in nature a being who can receive pleasure from giving pain would be totally incredible, if we are not convinced by melancholy experience. We see children laughing at the miseries which they inflict on unfortunate animals; and the common people of all countries are delighted with bull baitings, prize-fighting, executions, and all spectacles of cruelty and horror. Though civilization may in some degree abate this ferocity, it can never quite extirpate it; the most polished are not ashamed to be pleased with scenes of little less barbarity; and to the disgrace of human nature, to dignify them with the name of "sports."—*Jenny*.

VALUE OF EARLY IMPRESSIONS.

I was very much pleased to see that the babies are not entirely forgotten: While I have been rocking my little one to sleep, another one comes to my knee with "I'm not a d'yer, Mamma." O, the blessed little ones: who could refuse to teach them "Now I lay me down to sleep." Mamma that do not have this privilege are to be pitied, and those that do not improve the golden moments, are to be pitied more; for we have our little ones around us only once, soon they will be grown up, and will leave the paternal roof; and go as sailors on the voyage of life. And I know by experience that they will look back with regretfulness upon their past lives, and my friends there out a great deal depending on mothers, their dearest and best friends on earth Jesus blessed the little ones, and said "of such is the Kingdom of Heaven." I hardly think the women that wished such a one had all the little ones, wouldn't care to be in Heaven according to that. I am thankful for what I have learned from our department, and am always eager to read our column as soon as the paper comes. Wishing long life to the dear old *Farmer*, I remain.—*LITTLE DART in Maine Farmer*.

SAN BARNADINO—A GOOD PLACE TO LIVE.

How much the *Argus* says of their Valley: "This valley has not only an abundance of running streams of water constantly flowing from the hillsides, but a hundred artesian wells from fifty to three hundred feet in depth—many with a seven-inch bore—spouting pure and sparkling water, the finest ever drunk by man. It contains about 40,000 acres of the best and most fruitful land to be found in all Southern California, thousands of acres producing two crops a year without irrigation. Almonds, one of the finest species of clover or green grass hay, frequently cut seven times in a year and yields from ten to twenty tons per acre. One hundred bushels of corn, or seventy bushels of barley is not an uncommon crop; there are large fields in the valley from which has been taken a crop of corn, and one of barley for seven consecutive years, without for tilting. This is decidedly an admirable country for thirty farmers. Industrious and enterprising men, on farms of from forty to one hundred and fifty acres, can earn a fortune in a few years of time on these lands. Not one hundredth part of these lands are under cultivation, but lying waste and unimproved, awaiting the application of the hand of the industrious husbandman."

TO REMOVE MILDEW.

Take the mildewed fabric when dry, wet thoroughly with soft soap and salt mixed. Let it lie a short time, then wash it in good suds and lay out to bleach. Repeat, if necessary. Or soap thoroughly and scrape chalk on the spots and lay in the sun.

Josh Billings produces long columns of figures, with verbal explanations, to prove that mosquitoes are born of poor but industrious parents, but have in their veins some of the best blood in the country.

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Miscellany.

LONGEVITY IN ENGLAND.

The report recently issued by the Registrar-General, says the London Times, relating to the year 1871, contained further testimony on the subject of long life. In 1871, the following deaths were registered in England, the ages (like other particulars) being taken on the statement of relatives or other persons supplying information of the death. There were 27 persons at 101, 10 at 102, 6 at 103, 3 at 104, 2 at 105, 2 at 106, 1 at 107, 1 at 108, 1 at 109. The last three should have special mention. A man in the district of Devonshire was registered as dying at 107 years old; a man in the district of Leicestershire, at 109 years old. Seven centenarians died in the metropolis, and seven in Lancashire. Of the whole 69, 35 were men, and 44 were women. From 1761 to 1871 the deaths of the people registered as being 100 years old or more, averaged 78 a year—21 men and 57 women. The Registrar-General mentions, as the only known instance of an injured life reaching 100 years, that of Jacob William Loring, who died in 1870, at the age of 103 years. His age was clearly established by documentary evidence submitted to the Registrar-General, and published by him in his weekly returns.

PUNCHING HOLES IN STRAPS.

The punching of holes through the various straps of a harness for buckle tongues and for attaching the buckles is a matter of considerable importance, and does not as a rule, receive the attention that it should. The old method of punching them from the upper or grain side of the leather has been very generally abandoned by the manufacturers of fine work, it being deemed injurious to the wear of the leather. The principal objection arises from the liability of the grain of the leather to crack from the strain on the buckle tongue, and to be the cause eventually, of the leather tearing, as it causes such a crease where the tongue catches that it injures the texture of the leather and makes it tear the hole more or less; in addition to this if the leather is very strong, the tongue of the buckle is sure to be bent out of shape. All these objections can be obviated by punching from the under or flesh side of the strap, and by using punch, the long sides being parallel with the length of the strap the punch should be set at an angle of about twenty degrees, cutting the hole at such an angle that the buckle tongue will rest in it without throwing any strain on the inside of the leather.

Some object to punching the hole from the under side on account of its forcing the grain out and thus disfiguring the outside edges of the hole; this can be corrected, however, by driving the punch through the hole from the outside, which will cut away the slightly turned edge of the grain and set it down smooth and clean. It is not necessary, however, to repunch any holes except those that will be exposed when the harness is complete. Punches should be as thin as possible, as the extra thickness of the metal strains the leather.—Harnes Journal

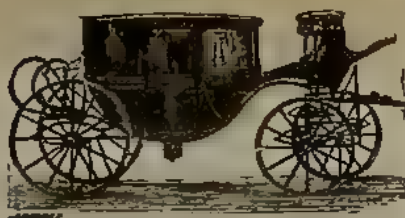
DANIEL DREW.

A good story is told by a friend of Daniel Drew, which the news of his illness calls up. Reminiscing one evening late in the office, and having occasion to use the safe, he permitted the cashier to go home, remarking that he would close the safe and fix the combination on the word "door." But when the cashier undertook to open the safe in the morning he found the lock refused to yield to the magic "door." He tried and tried again, but without success. Finally, happening to remember that Daniel's early education had been neglected, he attributed his ill luck to poor orthography. He therefore tried the lock upon "dores." Still no success, and then upon "door," with no better fortune. Finally, becoming despondent, he proceeded to St. Nicholas, routed "Dan" out of his choicest morning nap, and as he struck his nightcap out of the door this colloquy ensued: "Mr. Drew, I can't open the safe on 'door.' You must have concluded to change word." "Change the word! Nothin' o' the kind. I shut on door." "Are you sure, sir?" "Sure, sir, you ternal spe; of course I'm sure! Go back to your work, and don't come foolin' round here this time o' the mornin'." Well, perhaps, Mr. Drew, I don't spell the word right! How did you spell it?" "Spell it! Any fool can spell door. D o o r, doore, of course, sir." "If you can't spell door, sir, you're no cashier for me. Pack up your duds and go out of the 'door.'" And shutting the "door" in the cashier's face, Daniel returned to his bed in a passion, and and the clerk to his safe. Armed with the sesame of "dores," however, the safe flew open without further trouble and when Daniel arrived, mollified by a good breakfast and his morning prayer, he advised his cashier that he might keep his place provided he would improve his time and "go to spellin' school in the evenin'."

Some ladies are so economical that they constantly resort to tightening to prevent wastefulness.

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A situation is wanted for a Young Man of 18 years of age on a Farm in the country. The Young Man is well educated, healthy and strong. His Parents desire he should be trained on a Farm for which he has a strong predilection. Any Farmer who wishes such a Young Man who will train him to the knowledge of Farming and treat him well can learn of him by addressing "G. A. B." at Farmer Office.



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Done with Neatness and Dispatch.

33.9



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33-1

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Gentle Saddle Horses for Ladies and Gentlemen. Orders left at the Hotel promptly attended to.

JOHN S. HOGAN, PROPRIETOR.

37.10

Auzerais House, SANTA OLARA STREET, SAN JOSE,

S. W. CHURCHILL & Co., Proprietors

Auzerais House Coach and Carriages in attendance on arrival of trains.

37.6

Alfalfa! Alfalfa!!

This Wonderful Clover has been fully tested the past year in various parts of the State, and in various soils, and crops have been gathered from 6 to 11 Tons to the acre.

FOR DAIRY STOCK, FOR SHEEP AND PASTURAGE GENERALLY.

No grass has yielded so large nor so remunerative crops, and no crop will pay better. The amount of Alfalfa Seed sold the last year exceeded 300,000 pounds, and the supply was not equal to the demand.

The call for Alfalfa this year will undoubtedly far exceed the last, and it would be wise for those who intend purchasing to buy early as by so doing they can secure their Seed, and on better terms than late in the year when the demand is pressing. The undersigned have received their Seed early this year so as to provide for their Patrons early, and on the most favorable terms.

In addition to Alfalfa we offer also every other kind of Grass Seeds for field culture, viz: Kentucky Blue Grass, Timothy, Red Top, Red and White Clover, Rye Grass, Hungarian Grass, &c., &c.

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Architects and Builders are particularly invited to examine our Stone and Prices before engaging other building material. JAMES GAMBLE, President, R. WEGENER, Secretary, Office, 414 California Street.

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These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot. For further particulars, address

N. GILMORE, Eldorado, Colorado Co. N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars. N. G. 37.17

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We will advance liberally on any shipments, only charging interest at the rate of 5 per cent. per annum. Freight at the chartered price paid the ship, Insurance and other charges at the lowest rate obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

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These Lands are located in different parts of the State—some in each county from Santa Clara down to San Diego, all good Lands and can be Sold on advantageous terms.

This List comprises about Eighty Quarter Sections.

Maps, Locations, &c., AT FARMER OFFICE.

THE

CALIFORNIA

FARMER.

Our FORTYTH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of this year and the following year also, thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on this Coast. We trust we shall have a liberal addition to our Subscription List, for our FORTYTH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

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CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XL.

SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, OCTOBER 28, 1873.

NUMBER 5.

The California Farmer

AND

Journal of Useful Sciences.

PUBLISHED EVERY THURSDAY EVENING.

BY WARREN & CO.

OFFICE—No. 320 Clay St. (up stairs) below Battery

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Some Correspondence.

SILK CULTURE.

SAN JOSE, Oct. 11th, 1873.

DEAR MR. WARREN, EDITOR CALIFORNIA FARMER: You have at all times been a true and strong advocate of every industry that you thought could advance the prosperity of our State, and among the many enterprises which have received your support, may be mentioned the Silk business. You were formerly a strong advocate of Silk culture, and together with Mr. Prevost, our first Pioneer Silk grower, you did much to introduce this branch of rural industry among Californians, and indeed a good foundation was apparently laid for making California a Silk-producing country.

Although our fond expectations in that respect have failed as yet to be realized, there has nevertheless been raised this year a goodly lot both of Cocoons and Silkworm Eggs, which are wanting a market. I have some 50 cocoons of Silkworm Eggs—and very good ones they are—all the French Annual variety, and several barrels full of the handsome and best cocoons—both perforated and unperforated—for sale, and for larger lots have been raised at Mayfield and other places. We would now ask where a market can be found for such products, that something may come back to us for the money and time expended. It is believed that none of all who write in the interest of agriculture is so well posted, or so well acquainted with all its branches, as it is in regard to the raising of products or to the disposition thereof as you are, and if you, through the widely diffused CALIFORNIA FARMER, can in some way be the means of disposing of the product, which soon must become valueless in the hands of the producers, your Readers will feel very thankful to you.

Very Respectfully Yours,
J. F. BOURBONNEAU.

[REPLY.]

We are much pleased to receive the above Letter from our Correspondent, even though we deeply regret the cloud that now hangs over the prospects of the Silk Interest, we would, however, say to our Correspondent, "Take Courage!" Behind that Cloud the Sun is shining. We can, we think, without any egotism on our part, claim to have been an early advocate and friend to the Silk Interest, for as far back as 1852 and 1853 we furnished both Seed and Trees to that Noble Planter worker in this cause, the lamented "Prevost," who we may say, gave his life to this work.

The "Silk Grower's Manual," published by Mr. Prevost, will show how earnestly he labored and will also show how he endeavored to aid and sustain the cause.

The present depressed condition of this Interest is the result of the process through which all California Enterprises must pass before they see their Day of Sunlight and Great Prosperity. It was so with our "Woolen Mills," our "Sugar Factories," our "Paper Mills," in fact all our Planter Enterprises, the "Silk Interest" has

slumbered too long, but its awakening will be the brighter, and the Health and Vigor will be the stronger for its long rest.

This Interest has had too many dead weights upon it, too many engaged in it, merely to make Name, Fame, and Money, without giving Heart or Labor to it, too much talk and too little thought and work.

We are glad to know that there are a goodly number of the "Faithful" who "Still Live," let them "Persevere to the end and they shall reap if they faint not," they may hunger, but the cup of water will come to them ere long, and they will be refreshed, and new life will be infused into this valuable enterprise, which should have had more care and attention at the hands of the Managers of our Fair the present year, but their attention was called to the "Race Track," and the means went there instead of such enterprises as this noble one of Silk Manufacture.

We are glad to receive the information of the progress of this work in "Santa Clara County." It also progresses in "Nevada County," and although there is at present no demand for the Eggs or Cocoons here.

We have written abroad to learn what we can hope for from Strangers, when our own Capitalists neglect so promising a child as the Silk Manufacture will prove in coming years.

We shall be glad to hear again from our earnest Correspondent, and from all others interested, and shall do all in our power to look up a market for these products, and thus relieve the anxiety of those who now labor:

INTERIOR SAVINGS BANKS.

Savings Banks and loan societies are quite a feature in this State. Already several of the interior towns have flourishing institutions of this kind, and others are being organized. The largest of these banks, outside of San Francisco, is the Sacramento Savings Bank, of Sacramento, organized March 19th, 1867. Others follow in the order we name them: Capital Savings Bank, Sacramento, organized February 8th, 1869; Stockton Savings and Loan Society, Stockton, organized August 12th, 1867; Odd-Fellows Bank of Savings, Sacramento, organized May 11th, 1870; Oakland Bank of Savings, Oakland, organized Sept. 1st, 1867; Marysville Savings Bank, Marysville, organized April 8th, 1869; Union Savings Bank, Oakland, organized July 1st, 1869; San Jose Savings Bank, San Jose, organized January 15th, 1868; Napa Valley Savings and Loan Society, Napa, organized Sept. 15th, 1871.

These banks show, by their reports for the half year ending June 30th, 1873, 19,954 depositors, and aggregate deposits amounting to \$9,614,642. They have loans and investments aggregating \$10,348,149. The gross earnings for that period were \$645,973; expenses \$71,897. The total reserve fund held by the nine banks mentioned, is \$1,935,149. The reports show \$916,073 cash on hand, while the dividends amount to \$515,649. Besides the savings and loan transactions, most of these banks do a discount business. Some of these banks pay as high as one per cent per month on deposits; others vary from four to ten per cent according to the length of deposit. Owing to the commercial depression of the banks, there is great fluctuation in the deposits and loans; but the general prosperity has been encouraging. Nearly all show considerable increase; the Oakland banks show an increase, for the six months, of \$247,300 in deposits. The three Sacramento banks show increased deposits, amounting to \$508,000; the San Jose bank increased \$34,000; the Marysville bank, \$64,500. The Napa bank increased during the year \$31,700; while the Stockton bank shows a decrease, owing, as we have said, to its large commercial operations. The increase in the aggregate for the past six months (partly estimated) is \$658,000 deposits; \$337,000 loans and investments; \$3,000 in gross earnings; \$143,700 in the reserve fund held; \$65,600 in the amount of cash on hand, and \$121,600 in dividends paid.

—Commercial Herald of the 16th.

FLAX GROWING IN SANTA CRUZ COUNTY.

Santa Cruz County will take the lead in Flax Growing this year, many extensive fields having been very successful, below San Jose, around Watsonville, Gilroy and that region, we noticed that Flax and not Grain seemed the general crop all along the line of the Railroad.

It is to be regretted that this crop should not have been shown by samples either at the San Jose or Santa Clara Fairs, and it is to be regretted also, that our District Fairs do not recognize, or encourage such products as they should, these are the products that should receive special attention and liberal encouragement from the Managers of every Fair.

SAN JOSE CATTLE FOR JAPAN.

We noted that three fine young Grade Heifers of Durham blood, that were shown at the San Jose Fair, by Wm. Quinn, Esq., and received Premiums, were sold by him at a liberal figure to go to Japan to the Government there. Mr. Quinn is a careful and judicious Stock-raiser, and has a fine herd of Full Blood Durhams, and this sale for Japan is but a beginning of what in coming years will assume large dimensions, for California is destined to show as fine Cattle, Horses, Sheep and Swine as the world can produce.

PRES. GRANT ON THE CURRENCY.

The following Letter from Pres. Grant is an important one, and shows that he is qualified for the emergency to bring about Specie Payments:

My dear Mr. Condit—Your letter of the 29th ult. was duly received and read, as was your previous letter. Neither required any answer particularly, and hence I did not answer them at that time. Your last letter, however, contains one sentence that it seems proper I should reply to, that is as to an implied threat to the national banks contained in my letter to Messrs. Anthony and Gladwin. Nothing was further from my mind than a threat. My whole object was to restore confidence to the public mind, and to give assurance that the Government would give all the aid in its power, keeping in view at the same time the solvency of the National Treasury. You, and all bank presidents, know more about the condition of your banks than I can possibly know. In turn I, through the Secretary of the Treasury know more about the financial condition of the Government, its ability to render aid, etc., than any person disconnected from the administration of its affairs can know. I alluded to the fact that the forty-four million reserve notes in the Treasury would be regarded as money in the Treasury subject to use, for the purpose of showing that the means are at hand to give the relief we promise.

I do not believe the present panic will work to individuals half the injury it will work general good to the country at large. Our monetary system is the creation of necessity. It has no elasticity, but in other respects it is the best that has ever been devised. No one now distrusts the value of his paper dollar; on the contrary, it is seized and hoarded with the same avidity now that the gold dollar has been in former like adventures. The panic will call attention to the defects in our monetary system, and will no doubt, lead to legislation to relieve the want of elasticity.

The panic has brought greenbacks about to a par with silver. I wonder that silver is not already coming into the market to supply the deficiency in the circulating medium. When it does come—and I predict that it will—so we will do have made a rapid stride towards specie payments. Currency will never go below silver after that.

The circulation of silver will have other beneficial effects. Experience has proven that it takes about forty millions of fractional currency to make the small change necessary for the transaction of the business of the country. Silver will gradually take the place of this currency, and further, will become the standard of value, which will be hoarded in a small way. I estimate that this will consume from \$200,000,000 to \$300,000,000 in time, of this species of our circulating medium. It will leave the paper currency free to perform the legitimate functions of trade, and will tend to bring us back where we most come at last—to a specie basis. I confess to a desire to see a limited hoarding of money. It insures a firm foundation in time of need. But I want to see the hoarding of something that has a standard of value the world over, Silver has this; and if we once get back to that our strides towards a higher appreciation of our currency will be rapid.

Our mints are now producing almost unlimited amounts of silver, and it is becoming a question, "What shall we do with it?" I suggest a solution that will answer for some years and suggest to you bankers whether you may not imitate it: to put it in circulation now; keep it there until it is fixed, and then we will find other markets. The South and Central American countries have asked us to coin their silver for them. There has never been authority of law to do so, I trust it will now be given. When it is given it will be more than the equivalent of becoming exporters of articles of manufacture which were previously articles of import. Orders will come for large amounts of coin. It will be all in silver, while payments are not necessarily so. We become the manufacturer of this currency, with a profit, and will probably secure a portion of our pay in the more precious metal.

I have thought much about the recommendations I should make to Congress, and have changed slightly in regard to banking laws since I last had the pleasure of a personal interview with you. It is not necessary to state what those changes are, because they may undergo further modification. I shall give to the subject, however, my sincerest thoughts, and will court the views of others.

I have written this hastily, but if it calls forth any views you would like to express, I will be glad to hear them. Yours truly,
U. S. GRANT.

HOW TO MAKE MONEY PLENTY.

The Great want of California is more Population, and this we must have before we can be in a Prosperous way permanently.

California would have had a population of One and a Half Million, if we had adopted the National Currency at the beginning. Yes! and our State would have been richer by One Hundred Millions of Dollars, but that great chance has gone by, and we must do the next best thing now.

We cannot change the Currency except by a United and a Voluntary action, and there is one way by which money could be made more plenty and a large amount would be put into circulation and great good be accomplished.

If our Merchants and Traders, Produce Dealers and the General Tradesmen would combine, or unite and all say they receive Greenbacks at Par for all outstanding debts and open accounts, such a plan would call in Millions of Dollars that might not be paid in many months, and the difference in value between the Greenbacks and Coin now is not as much as is paid in the Cost of a Collection. A movement of this kind would also increase the value of Greenbacks and help on the day of a general redemption through the whole country, one thing certain, if California should send forth word that Greenbacks were taken at Par in California we believe it would create a Rush of Emigration almost equal to 1849—thousands would come—and the gain among all business men would more than make up any small loss by the Currency.

There never has been a time when our Business Men had so good a chance to strike for a Big Business as now by announcing that they receive the National Currency at Par. What Merchants will set the Ball in Motion?

PLANTING ALFALFA.

[Editorial.]

As we have had many Letters addressed to us in relation to the Alfalfa, its qualities, the Soil required, time of Planting, Curing, &c., we now give what we esteem the best directions, touching all these points, and as we have been familiar with its character, qualities and results in California since 1852, when we first introduced it here, and urged its cultivation, we think we can give reliable instructions.

Alfalfa, or Chili Clover is specially adapted for a dry hot climate, no matter how hot the weather may be, so long as the soil has been cultivated deep enough for the roots to go down in search of moisture, Alfalfa will flourish.

There is no better feed for Cattle and Sheep than Alfalfa, properly grown and properly cured, and for Pasturage or for Hay.

The best soil for Alfalfa is a deep alluvial soil, a deep rich sandy loam, or any good soil, even our Black soil, after it has been thoroughly subsoiled, but no soil is fit for Alfalfa that is not deep and fine, as the roots will go down 20 feet in search of moisture.

Give to Alfalfa free scope for the roots to go down, and no matter if the heat is 120°, Alfalfa will do well and give from 8 to 16 or 20 Tons to the acre, this depends on the soil and manner of sowing.

The time and manner of sowing we would recommend is as follows:

As we have said, the land for Alfalfa must be deeply and finely plowed, 16, 20, or 24 inches, and fine thorough work, remembering that Alfalfa once well established, it stands for many years.

The time of sowing we would recommend is the Autumn, and upon the best land as described, we would advise that it be sown with Oats or Wheat or Barley, and 25 lbs. Alfalfa to the acre, it should be sown thick, so that it grow succulent and tender—thus grown it yields more to the acre, will quicker when cut, makes better and sweeter hay—when sown sparse the stalks are coarse and hard, will not cure and Stock will not eat it.

When Alfalfa is thus sown in the fall early with Grain the Grain comes up and acts as a protector to the young Alfalfa in case of frost, as the Grain blades hang over the Alfalfa to shield it both from any frost, sun or drought, and as the season warms up in January and February, and the Grain grows, the Alfalfa grows also, and this covers the soil among the Grain roots, and in turn protects the earth from the sun, and helps the Grain by keeping the surface shaded.

As soon as the Grain is Harvested, the Alfalfa will spring upward in its growth and rapidly push forward giving two or three crops the first year. One other great gain in planting with Grain is this, after the Grain is off the decaying stubble is rich food for the Alfalfa, the roots of the Grain as they decay become deep cavities which are quickly filled with the roots of the Alfalfa as they go down for moisture, thus in planting the Alfalfa this fall early with Grain, both species are benefited and a larger crop is secured of each.

When Alfalfa Pastures are to be used for feed only, for Cows or Sheep—they should be fenced off into 5 or 10 acre lots, in order to give each lot full recuperative power—this can easily be done by the movable fence, for stock in rich Alfalfa pastures won't jump fences or break them.

When Alfalfa is raised for Hay it should be cut when in full blossom, before seeding, if sown as it should be, thick, the grass will be tender and will cut quickly, and should be quickly mowed—then Stocked early—not dried up—Clover should be cured as we cure herbs to retain their fragrance and goodness, so with Alfalfa, it need but little exposure—it will dry enough in the Stack—the Curing Alfalfa Hay is one of the most important parts of the whole thing, all the process of selection of soil, Plowing, Planting, &c., will all be lost, if at least a good crop of 10 or 12 Tons per acre is badly harvested and spoiled.

We have thus from careful study and many years inquiry, given here what we believe and hope will advantage our Farmers who desire to grow the Alfalfa and we shall at all times be glad to hear from them of their experience with this most excellent Clover—shall be glad to have them give us all the information they can for publication in our Journal, glad to have their views, though they may differ ever so much from us in their plans, for by such expressions of opinions the most of truth will be obtained.

CROPS IN OREGON.

From all the accounts received from Oregon the crops have never been so good before.

Produce of all kinds has been raised very extensively, Wheat and Oats immense crops, of these large amounts come to our City. Oregon sends down cargoes of Flour, Salmon, Eggs and Fruit. Oregon is doing nobly.

Hogs that run in an orchard picking up the windfalls, and occasionally good apples, never have the hog cholera, which is another proof of the value of a fruit diet.

GREAT SALE OF SHORT HORN CATTLE.

We give below an account of the greatest sale of Short Horn Cattle ever made in this or any other country on the Globe, the prices far exceeding even the highest anticipations.

This famous Herd belonged to the Hon. Samuel Campbell of New York Mills, New York, and sold on the 10th September, calling to this Sale the most noted raisers of Blood Stock from Europe and all parts of our Union.

The fame of the Stock the "Dockers" and the "Oxroads" shows how they are appreciated, we here give the list of the leading Sales, which was carefully compiled by the Country Gentlemen, we give the total of all, as the most remarkable Sale ever made.

This Record should be preserved for future use. This Sale reflects Honor upon the Raiser and Owner of this Herd.

DOCKERS.

1st Duchess of Osnabruck, red and white; calved January 24, 1873; by 10th Duke of Thorndale, (2615), dam 8th Duchess of Geneva, Lord Shelburne, England.....	\$10,000
7th Duchess of Osnabruck, red and white; calved August 2, 1872; by 8th Duke of Osnabruck, (2926), dam 1st Duchess of Osnabruck, A. J. Alexander, Kentucky.....	10,000
10th Duchess of Geneva, roan; calved May 15, 1867; by 8th Duke of Geneva, (2375), dam 5th Duchess of Geneva, H. W. B. Barwick, Scotland, agent for Lord Selkirk.....	35,000
8th Duchess of Osnabruck, roan; calved November 18, 1873; by 4th Duke of Geneva, (793), dam 10th Duchess of Geneva, Mr. Barwick, for Lord Selkirk.....	15,000
12th Duchess of Thorndale, red; calved February 23, 1867; by 10th Duke of Thorndale, (2615), dam 10th Duchess of Thorndale, Hon. A. B. Conger, Waldberg, Haverstraw, New York.....	15,000
4th Duchess of Osnabruck, red; calved January 17, 1873; by 4th Duke of Geneva, (793), dam 13th Duchess of Thorndale, E. O. Bedford and T. J. Magbrien, Kentucky.....	25,000
6th Duchess of Geneva, red and white; calved July 23, 1864; by Lord Oxford, (2400), dam 1st Duchess of Geneva, R. F. Davis, Gloucestershire, England.....	60,000
10th Duchess of Osnabruck, red and white; calved April 8th, 1873; by 8th Duke of Osnabruck, (2926), dam 8th Duchess of Geneva, A. J. Alexander, Kentucky.....	77,000
8th Duchess of Osnabruck, roan; calved March 2, 1873; by 8th Duke of Osnabruck, (2926), dam 18th Duchess of Thorndale, Mr. Barwick, for Lord Selkirk.....	10,000
12th Duchess of Thorndale, roan; calved October 13, 1863; by 8th Duke of Thorndale, (2375), dam 5th Duchess of Thorndale, Hon. A. B. Conger.....	5,000
3d Duchess of Osnabruck, roan; calved March 19, 1871; by 4th Duke of Geneva, (793), dam 8th Duchess of Thorndale, Mr. Barwick, for Lord Selkirk.....	15,000
6th Duchess of Thorndale, roan; calved September 11, 1862; by 3d Duke of Alford, (2317), dam Duchess of Farnham, C. F. Wadsworth, Genesee, New York.....	400
18th Duchess of Geneva, red; calved June 30, 1870; by 4th Duke of Geneva, (793), dam 12th Duchess of Geneva—breeding uncertain, and withdrawn by anonymous consent.	
8th Duchess of Osnabruck died from an accident since catalogue was issued.	

OXFORDS.

3d Countess of Oxford, red; calved July 3, 1871; by Baron of Oxford, (2371), dam 2d Countess of Oxford, Hon. A. B. Conger.....	9,100
1st Countess of Oxford, red; calved December 22, 1868; by 2d Duke of Geneva, (2375), dam 1st Duchess of Osnabruck, A. W. Griswold, Malvern Farm, Morrisville, Vermont.....	2,000
12th Maid of Oxford, rich roan; calved October 18, 1873; by 4th Duke of Geneva, (793), dam 2d Maid of Oxford, Colonel Lewis G. Morris, Fort Ham, New York.....	1,000
2d Maid of Oxford, roan; calved October 22, 1862; by Grand Duke of Oxford, (1814), dam Oxford 20th, A. W. Griswold.....	6,000
8th Maid of Oxford, red and white; calved September 21, 1863; by Grand Duke of Oxford, (1814), dam Oxford 24th, Wm. C. Wm. C. Magbrien, Kentucky.....	1,000
7th Lady of Oxford, red and white; calved November 24, 1863; by 6th Duke of Thorndale, (2375), dam 2d Lady of Oxford, Hon. A. B. Conger, Illinois, New York.....	600
12th Lady of Oxford, red and white, calved December 15th, 1869; by 10th Duke of Thorndale, (2615), dam 7th Lady of Oxford, Mr. Barwick, for Lord Selkirk.....	7,000

11 Duchesses, averaging \$1,700 each.....	\$235,000
7 Oxfords, averaging \$4,514 each.....	31,600
74 other females, averaging \$1,060 each.....	80,375
92 cows and bulls, averaging \$3,813 each.....	350,775
17 bulls and bull calves, averaging \$1,835 each.....	31,115
160 head, \$3,504.....	556,265

GOLD WINDS BLOWING.

The sudden changes that are experienced in this county of San Francisco from hot to cold, the raw chilling winds that follow sunny days, is what so seriously affects the general health, for our Citizens do not guard against these changes by a suitable addition of warm garments.

Little children are the most exposed, and the prevalence of that fearful scourge of children, the "Scarlet Fever" now so prevalent should be a warning to Parents to guard their children's health by warm garments, if they desire to keep them in life and health, mothers particularly should keep their little ones in after Sunset—the Bed is a better place for them, than in the streets!

A new and important fact in silk culture has been developed by the Acclimation Society of France, namely, the silk of varied color can be produced by feeding the silkworm on different leaves. Worms fed on vine leaves produced a silk of magnificent red color, while lettuce has been found to produce an emerald green colored silk.

Horticulture.



ROMANTIC TALE OF A PEAR TREE.

A French nobleman, observing his tenant about to destroy a fine thrifty pear tree, inquired the reason. He was told that it was a chance seedling, and had borne no fruit in 25 years. He had already cut its roots preparatory to the first stroke, but was ordered to let it remain. He did so, and in the following year it was loaded with superb fruit of an entirely unknown variety, which at once became celebrated.

The root-pruning the gardener had given it worked like a charm. Not many years afterward, when the Duchesse d'Angoulême was passing through Lyons, its inhabitants sent to her their hospitality. Nine fair maidens presented the Duchesse with golden salvers, on which lay heaped this precious fruit, and begged her to bestow on it her name; and the pear now recognized as the crowning glory of all fruits, was thenceforward known as the Duchesse d'Angoulême. — *Ladies' Cabinet.*

NEW STRAWBERRY.

The Monarch of the West Strawberry, as grown in New Jersey this year is described as follows: "It is a fine-looking berry of very large size; one of those left with as measured five inches in circumference. The flesh is solid, the flavor exquisite, and the color a bright red, just such as is calculated to please the eye of fastidious purchasers. It is quite prolific, late ripening, and from its solidity well calculated for marketing purposes. The berries grow in clusters from six to twelve, presenting a very rich and beautiful appearance. The stalk is a very strong one, and capable of bearing the heavy crop of fruit from the ground, a very important and desirable feature in sandy soil. Some of the leaves were five inches in length. Mr. Perry asserts that, side by side with his finest Wilson's Albany, it commanded fifty cents per quart, while the Wilson was slow sale at fourteen cents." — *California Horticulturist.*

PHYLOXERA VASTATRIX.

The grape-vine root gall-house, so destructive to the grape-vine in Europe, and found in the Western States, has been found on the grape-vine roots growing in the gardens of the Department of Agriculture at Washington. Mr. J. E. Planchon, of Montpellier, France, on his late visit to Washington, made a most thorough investigation of the grape-vines, and after examining sixty of the plants most thoroughly he found only from four to six of these insects alive on the roots. It is also to be observed that this year none of the plant-gall species, known as the *Pemphigus vitifolius* of Fitch, have been found on the foliage of the grape-vines at the Department, but the vines are very much injured by the small insect erroneously known as the grape-leaf thrips, which is a species of frog-hopper, (*Erythroneura*) belonging to the order *Homoptera*, and which by sucking out the sap causes the foliage to assume a withered and spotted appearance, and, if very numerous, causes the leaves to be shed. — *Ag. Report.*

PEARS—TO PREVENT ROTTING ON THE TREE.

To an inquiry in the Southern "Cultivator," for a preventive of rotting of the pear upon the tree, and to cause it to ripen up, W. A. James, Bishopville, S. C., says, "strip the bark entirely off the bodies of his pear trees, on the 20th of June, he will find that most, if not all, the crop upon them will ripen that season. Be careful not to scratch the wood with the instrument used in stripping the bark, as it will make an ugly scar in the new bark, which will form in a few days after the old one is removed. I generally start about two feet from the ground, and strip both up and down, letting it run up the limbs as far as it will, and as deep into the ground as it can. There will be no risk of killing the trees, if done at the time indicated."

"I stripped the bark from a pear tree on the 20th June, 1884. It was still living when last heard from. I have performed the operation repeatedly, but the new bark grows back so soon and the tree looks so natural, that unless you particularly mark it, it would be impossible to tell it again. I once had a large nectarine tree that bore full invariably, but never matured any fruit, until after it was barked. That year it ripened all the fruit. The next year it was full of healthy fruit again, but a storm during the summer up-rooted it, and I lost it. I hardly think the barking process will shorten the life of a tree, but if it did, it would be better to enjoy some fruit than none at all." — *The New York Horticulturist.* (Rather a doubtful experiment. — *Ex. F.*)

PENN. HORTICULTURAL SOCIETY.

Never since its organization has this Society held so successful a meeting as the one on the 17, 18, and 19 of the past month in Philadelphia.

The number of separate exhibitors was very heavy, and the quality of the fruits, flowers, and vegetables much better than the average. The number of visitors to the Hall from the city was at least as great as it has ever been; but the most pleasant feature of the occasion, was the large number of amateur and commercial horticulturists from all parts of the Union. In this respect the meeting was a much greater success than ever before; and the officers have the satisfaction of knowing that the influence which they have so long been instrumental in extending our gardening taste in Philadelphia, is slowly flowing over the whole land. At this late date we cannot give any further account now, but may attempt a sketch of the subject points in our next.

— *The Gardener's Monthly.*

"Mother," said little Ned, one morning, after having fallen out of bed, "I think I know why I fell out of bed last night. It was because I slept too near where I got in." Moving a little, as if in doubt whether he had given the right explanation, he added, "No, that wasn't the reason; it was because I slept too near where I fell out!"

AMARYLLIS.

This is a very charming class of summer-flowering bulbs, though I am sorry to say but very few of them are cultivated here. However, they are beginning to attract attention, and I am sure that they will find their way before long into every conservatory and garden.

There are now some thirty different species, and as many more varieties, cultivated in the various floral establishments of Europe, all of which are good. Most of them are natives of Brazil, and like a moderately warm climate, such as we have here in California. While some of them arrive more readily to perfection if treated under glass, there are others which, like the Lily or the Tulip, succeed best in the open air. A deep sandy soil, enriched with old manure, suits them very well. Their roots require room to spread, and therefore must have good-sized pots if cultivated in the house.

Amaryllis bulbs should have a season of rest; but, unlike the Hyacinth and Tulip, they should never be allowed to lose all their foliage, which renders it necessary to water them sparingly when they are at rest. If they are cultivated into pots, they should be allowed to rest from autumn until March, when they should be placed in a warm situation. As soon as they develop new leaves they require more water, the application of which should be increased as the plant develops itself. Insects are very hard on the Amaryllis, and to keep them clean of these, is half the battle.

The Amaryllis is propagated by side-roots, which are formed in abundance. It may also be raised from seed, but this process is a rather slow one.

If they are cultivated in the open ground they will not require any particular attention. With cultivation of the soil around them, and with protection from strong winds, they may be expected to do well.

Some of the best varieties are:

A. longifolia rosea, an excellent variety, flowering abundantly.

A. longifolia flore alba, also very desirable and effective.

A. Belladonna, several good varieties.

A. atamarea, flowers white, and good bloomer.

A. crispa, flower of a rose color.

A. formosissima, flowering very abundantly, flowers of a rich crimson color.

A. purpurea (*Var. purpurea*), one of the very best; its most brilliant scarlet flowers are very ornamental. — *Br. F. A. Miller, in California Horticulturist.*

Ornamental Trees, A BARGAIN.

The Undersigned desirous of giving his entire time and attention to his Apiculture, and to confine his entire attention to the care and culture of his Bees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

— AT A —

GREAT BARGAIN.

As he is determined to close out all his Trees this Autumn the following are now offered at very low low rates:

5,000 to 8,000 Locust Trees, from 1 to 4 years old, 8,000 to 10,000 Lombardy Poplars of fine growth, 5 to 30 feet high, and of fine form.

4,000 to 6,000 California Walnuts from 1 to 3 years old, 1,000 Circassian Mulberry Trees—very fine.

500 American Black Mulberry, the fruiting species—the fruit being very superior, the Trees great bearers.

Purchasers wanting any of these Trees are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold.

Address, **J. S. HARBISON, Apiculturist,**

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Or OLE GOODRICH, Riverside Road, 3 miles below Sacramento. 40.3



The Fourth Number of VICK'S FLORAL GUIDE for 1878, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 3 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address, 39 23 JAMES VICK, Rochester, N. Y.

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For AUTUMN of 1878.

Ellwanger & Barry offer to Planters and Dealers the largest and most complete stock in the country of Standard and Dwarf Fruit Trees, Grape Vines, Small Fruits, Ornamental Trees, Shrubs, Evergreens, New & Rare Fruit & Ornamental Trees, New & Rare Green & Hot House Plants, Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt attention to all inquiries. Descriptive and Illustrated Price Catalogues sent prepaid on receipt of Stamps, as follows:

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The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free—at all months or weeks of the year—this is our custom, those who are in want should always call when in the city or we shall be glad to see them at our Reading Room, always open and free to all.

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Wine Cliff Vineyard, BURRAGE & TUCKER, PROPRIETORS, NAPA, CALIFORNIA,

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with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE, 39 17

SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT,

Price, Five Cents per Pound

in Lots of less than a Ton. For one Ton and upwards Four Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Moore, Chico, or Wm. Van Woert, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF BUTTE" to Wheat Raisers are its great prolificness, small amount of seed required, short, stout straw adapting it to rich lands and Summer-fallow, for quality and quantity of Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize. The Flour made from it also won the Premium.

WM. VAN WOERT,

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DO TRY IT 3 Months for 10 Cents; or with \$3 Chromo, for 50 Cents. The National Apiculturist and Bee Journal is a sixteen page paper of 64 columns, handsomely illustrated to all its departments. One of the best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Bee-Book, or \$1.50 with a beautiful Send for Sample Copies, and Liberal Terms to Agents, free. Write now to 40 4 H. A. KING & CO., 14 Murray St., New York.

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It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that which is now offered being the vintage of 1883.)

And in order to safely guarantee its purity, is sold only in Hook Bottles bearing the Trade Mark, H. G. upon the Label.

PORT, SHERRY, MALAGA, REISLING, MUSCATEL, ANGELICA, CLARET

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Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

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HENRY CERKE,

418 and 420 Market Street, Cor. Sutter, San Francisco, Cal. P. O. Box 642.

GEO. HAMLIN, Manager. 38, 21

ALEXANDER EARLY PEACH

Probably no peach ever before claimed the attention of the public which was possessed of so unusual a promise of combined excellence and earliness as this.

It ripens three weeks in advance of Hale's Early.

The Prairie Farmer, in issue of Aug. 3d, 1872, describes it as "possessing the good qualities that all fine peaches should have viz.: Large size, attractive to the sight, pleasant to the smell, and agreeable to the taste."

"Chas. Downing says: 'It is very handsome, the flavor rich and good, flesh thick and firm, will carry well long distances to market.'"

The editor of The Fruit Recorder says: "We believe it one of the greatest acquisitions in the peach line, ever introduced."

Wm. H. Prestelle, of Bloomington, Ill., Fruit and Flower Artist, says "that he is satisfied it is one of the earliest and best of peaches," and that "there is not one who speaks of this magnificent peach that does it full justice as to its beauty of color. It is of a deep maroon shade, covered with the richest tint of crimson and BEAUTIFULLY DARK STRIPED—something very singular in a peach—changing towards the light side to a rich orange color."

Owing to the extreme severity of the past winter our stock of trees is quite limited. These we offer, carefully packed and delivered at express office here, as follows: 1st class trees, one year from bud, (with branches cut back,) at \$5 each.

Dormant buds, i. e., budded stocks, six for \$5, or fifteen buds by mail for \$5: No orders taken for less amount than \$5. Remit by Post Office order or draft. We also have a good assortment of other nursery stock. Send for catalogue. Address,

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We can supply to the extent of 300 Good Swarms. These Bees require less care than any other Bees known, and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the Apiary also, and see the vast numbers of Bees at work, wherever there is a Flower there will be found the "Busy Bee" at work.

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In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent, together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory reference or the Cash; or bills could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

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RARE AND CHOICE KINDS

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GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care, where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

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"AGAVE AMERICANA."

This plant usually called the CENTURY PLANT and supposed to bloom only once in a Hundred Years is the *Agave Americana* or American Aloe, and is one of the most conspicuous and most desirable plants for position in a large circle or front of a large border or in Parks at stated distances, in such places this plant, with PALMS, YUCCAS, DRACENAS and a few of this character give to fine grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to their value.

We can offer fine large plants of the Agave at from 50 cents to \$1.50 and so securely packed as to go safely any distance, they can be shipped now or later in year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to.

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SEEDS AND PLANTS BY MAIL.

During the last Session of Congress a bill was passed which curtailed very much the sending of Seeds and Plants by mail as it changed the Law which allowed sending packages of four pounds, and restricted it to parcels of only 10 ounces. This act was so universally condemned that demonstrations and Letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, &c., at the old rate of 8 cents per pound.

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The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences—with a Cabinet of Minerals, Coins, and Curiousities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Newspaper type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. Advertisements for the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

and for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

W. M. PATTENGILL & Co., 10 State Street, Boston 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall pay attention to such articles in each issue of our journal, to which we would direct their special attention.

OUR NEW VOLUME.

We XL, upon entering our fortieth volume, and think we can claim title to XL, for our faith has been excellent to carry us on for Twenty Years.

In our Home Department the poem deserves special attention for its excellence and beauty.

"Hints to Men-folk"—a Chapter for men—especially at Home.

Grangers will find an interesting Chapter for them on 38th page.

A Letter on "Silk Culture" should receive special attention,—this subject will be continued.

THE PATALUNA FAIR.

In consequence of mislaid notes of this Fair we must delay it till our next issue—we have also other notes of the San Jose Fair, and State Fair with specials to give yet.

MADAME ANNA BISHOP.

This distinguished Prima Donna has again returned to our City, and great efforts will be made to retain this Lady here, and to establish an English Opera Troupe—we hope this will be accomplished.

Madame Bishop and Trunks has been gladly received all over our State in their recent Tour in numerous places even as far down as "Los Angeles"—and at all these a complete success.

GOLD FROM ENGLAND.

The latest intelligence received from Eastern markets is that large quantities of gold, amounting to twelve millions of dollars, have been forwarded to New York from England, and to check the flow, the Bank of England has raised its minimum to seven per cent. Our purchases of English commodities have declined materially whereas the United Kingdom has been a very liberal buyer of our breadstuffs, cotton, tobacco, and meats, United States bonds being a better investment than gold, the latter is sent here in payment for our domestic products.

SPLENDID POULTRY.

The large and valuable collection of Choice Strains of Poultry of O. W. Wilson, Esq., of Oakland has been removed to the New Yards beyond Brooklyn, near the "Mills Institute" where all who desire to purchase the very finest now on sale can see them.

STATE FAIRS.

MARYLAND STATE AGRICULTURAL SOCIETY.

Annual Fair at Baltimore, October 28th to 31st inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.

Annual Fair at Richmond, October 28th to 31st inclusive.

GEORGIA STATE AGRICULTURAL SOCIETY.

Macon, October 27th, to November 1st.

SOUTH CAROLINA STATE AG. SOCIETY.

Annual Fair at Columbia, Nov. 4th to 7th, inclusive.

VIRGINIA STATE AGRICULTURAL SOCIETY.

Annual Fair at Richmond, Oct. 28th to 31st inclusive.

COUNTY FAIRS.

SOUTHERN DISTRICT AG. SOCIETY.

Fair at Los Angeles, November 10th to 15th.

OUR ANNUAL FAIRS. THE CHICO FAIR.

The "Upper Sacramento Valley Fair" took place as announced, and was a most creditable Fair, so far as the quality of the products shown testifies, it was not as extensive as it should have been for a valley so rich in the varied products of the earth. The Fair now need Remodelling to draw out the true interest, and we hope the GRANGERS will take hold of this matter and greatly improve them.

The Hall of Exhibition at Chico was decorated with Paintings, Pictures, Quilts, and all the handiwork of Woman, without her aid our Fair would be still A/-Fairs.

PAUL EXHIBITION.

Gen. Bidwell made a very excellent Exhibit of Fruits of all kinds, Grapes (White Nico) Immense clusters with other varieties of Grapes, all choice, also 300 Pears, Apples, Peaches, Figs, Fruit of the Prickly Pear, ripe, also 2 Boxes of Raisins—very fine, and Pomegranates.

Samuel Cross had a good collection of Fruits, 9 varieties of Apples, 7 of Pears, 1 of Plums, and 2 Jars of Preserves.

Moak & Sissons, 36 varieties of Grapes, 3 of Peaches, with Almonds and Figs, also 4 Boxes of Raisins, and Wine Vinegar, good quality—the whole a creditable collection.

Wm. Bonip, "Little Chico Cannon," a collection of Fruit, Pears, (Barlotti) very fine, Winter Nellis, Chirgeau D'Arenberg, and large Pound Pears, and splendid Peaches, with Superior Dried Fruit—a handsome collection.

Fred. Phillips a collection of Apples, Pears, Peaches, Quinces, Dried Fruits and three Bottles of Wine.

Sheldon Gay showed 17 Dishes of Apples—extra fine—all choice specimens, large and fair, also 3 Dishes White Nice Grapes—very fine—with Dried Plums and Apples.

Wm. Sherwood showed very fine Peaches.

PRESERVED FRUITS.

Mrs. McGonessy exhibited a very choice lot of Preserved Fruits, Jellies, Jams, &c., with Out-soup, &c.

Entry 22—a very fine collection of Jellies, Jams, &c.

Mrs. Thorp, a collection of Choice Jellies and Preserves.

Entry 18 and 36—Lots of Preserves, Jellies and Jams, this collection was from Mrs. J. P. Odebert, one of the best collections made this year and also shown at the State Fair, and at the Horticultural Fair in this City winning general applause for its great excellence.

There were several Entries by numbers of Preserves, Vinegar, Soaps, &c., the names we did not obtain.

BREAD, CAKES, &c.

Mrs. J. O. Manderville and several Ladies exhibited very superior Bread, Cakes, &c., especially superior—so good it was soon eaten up—as a proof of its goodness, the bread was only numbered, therefore we could not get all names.

FLORAL.

The Centre of the Hall was filled with Choice Plants forming a handsome Circular Pyramid over 20 feet high, giving to the Hall, life, beauty, and fragrance, many rare plants not exhibited before, many of extra beauty, the centre of the group, had the large plumes of "Pampas Grass" very gracefully waving, the whole nicely arranged, with these came also Dishes, Vases, and Bouquets of rich and fragrant flowers, all from Mrs. Gen. Bidwell—a grand contribution.

No. 8—exhibited Natural Flowers Preserved, 2 Dishes of Panicles and 2 Vases of Grasses, there was also several smaller lots under numbers, names not obtained.

WORKS OF ART, GENIUS, AND TASTE.

Most prominent and worthy of a special notice was the Marble Bust of a Lady of Chico, which was the work of Mrs. Gen. Cosby, self-inspired self-taught Artist. We do not say we have another "Hosmer" but we do say this Lady deserves the highest meed of Praise.

It was our privilege to go and examine two other pieces of her work, one that of "Meditation," a Female Bust in the attitude of deep thought—a very excellent study, also a Bust of her husband Gen. Cosby, this is a most perfect likeness, and well done, and when we state the fact that this Lady works direct upon the marble, without a cast to work by, this is the more remarkable. We anticipate much in the future from this gifted Lady.

We noticed a remarkable Fine Likeness of the late lamented "Lincoln," which upon examination revealed the fact that the frame contained the Glorious Emancipation Proclamation, and this by the peculiar shading of the words in writing in more or less ink—this shading off made the likeness of the President—it is a remarkable Picture, and was exhibited by the Lady of the Pastor of the Methodist Episcopal Church, Rev. Mr. Copeland—a valuable souvenir.

Considerable Genius and Talent was displayed by the famous Sewing Machine Agents and the workers, all striving pleasantly to rival one another. The Wheeler & Olson, Grover & Baker, the Howe, New Wilson, the Buckeye, and the Florence. Oh! how many stitches were taken and how nice stories told of their merits, but it is all well—we must have the Sewing Machine else we go back to the Original form of Dress in the "Garden of Eden."

A very fine display of Fancy, Nice things were made by Mr. Kroker of Sacramento, a very courteous Gentleman, whose stand showed as much to tempt one to *Love Dress*—those Opera Cloaks, those Laces, Caps and Collars, Oblongs, and Flowing Hair, those Pettis—(?) Oblong Baby Dresses—these were charming. Now we notice these on account of the Babies, for the Scripture says, *Increase and Multiply*. Mr. Kroker took the Premium.

PLANTS, SEEDS, &c.

Fred. Phillips exhibited a collection of Garden Seeds in good order.

A. Ash, from Stony Creek, Exhibited Cotton Plant, with fine bolls, and superior Cotton, (Samples kindly given us), this proves that Cotton can easily be grown in that region, another exhibitor had cotton also.

Mrs. J. Bidwell exhibited a collection of Jellies and Preserves of a very superior quality.

GRAINS, FLOUR &c.

Wm. Van Woert, of Durham, exhibited again this year his splendid Wheat the "Pride of Butte," this is one of the finest samples of Wheat ever shown in California, from half a gill in 1870, the product this year was over One Hundred Tons, and extra superior, yielding 80 bushels and upwards per acre, when Club Wheat on land near by was 40 bushels and less. A Sheaf of this Wheat was exhibited, the finest Sheaf ever shown at any Fair in this or any other State—it was kindly presented to us, and can be seen at our Office. This Wheat deserves the Gold Medal.

This Wheat was shown at the State Fair, and at San Jose, the Flour also made from it, the Wheat and Flour both won the Gold Medals of the State, this Wheat is now advertised in our Columns and Grain-growers should secure this extra Seed—Mr. Van Woert also exhibited the Flour made from this Wheat—very superior.

J. L. Keeler, exhibited 2 Sacks of Flour of a very superior quality, showing not only good Wheat but good Milling science to produce it.

R. McGonessy showed a Sack of Alfalfa Seed—clean and fine.

Gen. John Bidwell exhibited a collection of Superior Grains, Wheat, Black Russian Oats, Barley and White Oats, all clean and splendid samples, also Flour from his Mill of very choice quality.

VEGETABLES, DAIRY, HONEY, &c.

The largest and best collection of Vegetables was from the Farm of Gen. Bidwell, it was a grand show, Squashes 125 to 150 lbs., Sweet Potatoes, Egg Plants, Tomatoes, Cucumber (Maryland), Peppers, all very large and fine, Onions extra large.

The Melons were choice, Water Melons, and the famed *Casaba*, nothing could be richer or more delicious, Squashes of many kinds, Corn and Irish Potatoes, &c.

R. O. Rose made a very fine show of Vegetables indeed, Corn, Squashes, Sweet Potatoes, &c. There were some other lots of Vegetables, but difficult to find Exhibitor's name.

Robert Donovan exhibited very clean and handsome Honey—very superior.

A collection of Butter and Cheese, but only marked by a number—no owner's name.

CARRIAGES, HARNESS GOODS, &c.

There was quite a good display of Carriages and Buggies, viz:

O. L. Sillson & Co., 2 fine Buggies.
W. L. Lawrence, 2 "
J. J. Verder, 1 "
O. V. Robert, 1 "

Mr. Bernard, of Sacramento, had a fine 1 Horse Carriage, and a heavy Family Wagon.

W. L. Lawrence, a fine show of Harnesses of all kinds—a good display.

O. O. Melby, a choice Saddle and Harness also.

Messrs. Parker & Perry, of Sacramento, made a grand display of Saddle and Harness Goods which attracted much attention for its superior finish and style.

The Marysville Woolen Factory made a very handsome display of Blankets of splendid quality, also Kerseys, Doeskins, Flannels, Checked Goods, &c. We shall now be independent of Foreign Goods, if all will support "Home Manufactures."

AGRICULTURAL IMPLEMENTS.

Messrs. Jones, Riley & Co., the leading Agricultural Warehouse of that region, made a grand display of all kinds of Implements, Mowers and Reapers, Gang Plows, Wagons of all kinds, Hay Cutters, Seed Sowers, Grain Mills, also a fine Family Carriage.

This firm do a very large business at Chico, have a large Warehouse, keep a heavy Stock, and try to suit their Patrons by a liberal policy.

O. L. Sillson & Co. made a good display of Agricultural Implements of various kinds.

Messrs. Keller & Co., of Sacramento, City, who are now the leading House in that region, made a large showing of their Implements personally, and by their Agents at Chico, Wagons, Headers and Reapers, Mowers, Gang Plows, Single Plows, Grain Mills, Obsolete Plows, Harrows, &c., &c.

Messrs. Keller & Co. are Agents for many Manufacturers at the East, keep a very large Stock, and have by a liberal course made many friends and secured the lead of the trade at Sacramento and vicinity.

J. T. Hill, of Sacramento, made an exhibit of his fine Carriages and Wagons. Mr. Hill is one of the Sacramento Flourers Carriage and Wagon builders, and has won a good reputation for thorough and good work. Mr. Hill is also an importer of Wagons.

Mr. Hill made and sold 100 Wagons and also sold 300 Imported ones this year, all satisfactory to the purchaser.

Mr. Hill urges the growing of the *Locust Tree* as very superior wood for Wagon Makers. Will our Farmers note this fact?

CATTLE, SHEEP, SWINE, &c.

The Exhibition of the Stock Department was evidence of great advance in Stock Raising in this country.

B. J. Glenn, 5 Stalls of Durhams—a fine show. L. McIntosh, 1 Stall of Durhams.

D. M. Pearls, 3 Stalls of Durhams. Blavens & Harris, Graded Stock.

John E. Guill, a fine Show, many extra fine animals.

L. H. D. Lange, a fine show of Devon's, Friends of Tehama—Beauty, Nellie and Colonel—all fine. J. L. Chambers, 5 fine Durhams.

G. N. Swozey, of Marysville, with his 10 splendid Durhams made a good display—we learn he sold this lot very readily.

Mr. Wick, of Oroville, 6 very superior Durhams—splendid Cattle.

Gen. Bidwell, one fine Bull of the "Wick" blood, and one of the Younger Stock, also a young Bull Calf (Hercules) raised from his famous large Cow that he lost last year, the Calf promises to make a famous animal.

F. O. Graves exhibited 4 large and very fine mules—worth \$2,000—18 hands high.

J. H. Guill, a fine Jack.

D. M. Pearls a fine show of Horses—Racing Stock—very fine.

Gen. Bidwell a Pair of Noble Horses—his family Carriage Horses.

There was a goodly lot of Horses for the Races, and as Breeders, many very fine animals, among them the fine Horses we noted, McCracken, Blackbird, and California Dexter.

Gen. Bidwell exhibited 2 Pans of Berkshire and Essex Swine, and one Poo Spanish Merino Sheep—all fine, also a fine lot of Choice Poultry.

J. H. Guill, 2 Pens of very fine animals, extra; also 1 Pen of large and fine Leicester Sheep—a Sample of Wool was shown at the Hall, also Cages of fine Poultry.

R. S. Thompson, of Napa, showed his superior lot of Berkshires—very extra—of which we have spoken in reports previously.

R. Donovan, an exhibit of Turkeys, Brahmas and Java Poultry—fine.

In the Parade of Stock, we noted many fine Horses, a splendid Black Hawk, of Herman Bay, Esq., 2d. V. Pres. Dan. Bidwell's fine Black Hawk, a live young animal by Blackbird, and many others.

The show of Stock was excellent, and the Fair well patronized, and we think a successful one, this country, however, could make a grand show if it should try its best.

The Annual Address of the President, and an Address by G. N. Swozey, Esq., of Marysville, was delivered in the Hall, both Addresses practical and useful.

We must remark here, however, that it would have been a small matter had it not been for the untiring exertions, liberal aid, and large contribution, made by Gen. Bidwell and his Lady, as is seen by the Reports, and when the Premiums were announced, Gen. Bidwell Donated and desired that his Premiums should be specially devoted to the Payment of the Taxes on the Society's Building they were nearly \$100—this is in accordance with all his liberality in such works—all Honor say we, to such men.

We return our grateful thanks for courtesies received and for many Samples of Fruit, &c., kindly tendered us. Union will make her mark.

SPLENDID CARRIAGE WORK.

One of the very finest Exhibitions ever made in our State of Carriages, Buggies, &c., was made at the State Fair by Messrs. Pollard & Carvill, of this City.

Their exhibit was a Grand one. There were Six Carriages shown, all of the very handsomest style of work and perfectly finished, they were as follows:

One superbly finished *Charence*, as beautiful as need be, this was engaged to the Lick House at \$2,000.

One splendidly finished *Couper*. This was sold to Dr. Eckel for \$1,500.

One Extension Top Roadway, valued at \$800.

One Gold Mounted Top Buggy, valued at \$500.

One Silver do do do \$500.

One Open Buggy valued at \$350.

A Grand feature of this splendid display of Home Manufactures was, they were all *California Work*, and material, trimmings, fringe, &c., all save the Lamps, an Exhibition of which Messrs. Pollard & Carvill may well feel proud, for such work is an honor to our workman and to our State. This exhibition was worthy of the Gold Medal.

PACIFIC OCEAN HOUSE, SANTA CRUZ.

This Noted Hotel, at the Celebrated Water Front at Santa Cruz, was opened anew on the 29th of September, under the Proprietorship of J. H. Hoardley, Esq. At this opening the citizens were invited and turned out nobly to enjoy the Festivities of this Favorite Hotel.

The Ocean House has been very handsomely refitted, and furnished all new. Through every department, the Chambers, Parlors, and Dining Room are in the neatest and finest order, ensuring comfort and pleasure to all the Patrons of the Hotel.

The Proprietor has spared neither expense or trouble to make it a First Class Hotel to satisfy the Public.

Ellis Edwards, Esq., the Superintendent, is ever at his post, courteous and attentive, to see that Guests are cared for well.

We can cheerfully commend all Travelers to the OCEAN HOUSE.

NEW COMPOSITIONS IN IN MUSIC.

The Love of Music is so great in our State, and the musical taste so fully developed as to demand new compositions in Music for the Piano, the Harp and the Guitar constantly, and also New Songs to supply this increasing want, a constant stream of new and choice music is sent forth from the Publishing House of M. Gray, Esq., 625 Clay Street.

The present week among many choice pieces we note the following as very excellent:

"Mark the Angel Sweetly Singing," and "My Cottage Trimmed with Roses," both beautiful.

New Ballads by the Author of "Don't be Angry with Me Darling," also "The First Kiss," a Polka by Louis Bodecker.

AGRICULTURAL FAIR—SANTA CRUZ.

The Third Agricultural Fair held under the auspices of the "Farmers Club" of Santa Cruz took place last week on the 16th, 17th, and 18th, and was a very creditable Fair.

When we reflect that this Fair was gotten up by a few, and no Premiums offered to draw out Exhibitors, and no Horse Race, we must call it one of the best Fairs of the Season, and one fact we must add as a Truth that the Ladies made many very creditable Exhibitions, and we are sure that no gathering at Fairs this season has there been among the Girls, Young Women and Ladies, as great a majority of Healthy, Robust, Cheerful, Happy and Handsome as at the Santa Cruz Fair, and this we attributed to great purity and healthfulness of that climate.

The Annual Address was delivered by Dr. S. Holden, of Stockton, a good Address, but the noise and confusion was so great it could not be heard—an unwise system of hearing Addresses in the Hall of Exhibition.

The exhibition of Fruit was the principal feature of this Fair, and this was creditable to the "Farmers Club," yet there must be greater effort another year.

The Ladies of Santa Cruz did a large amount of work to help the cause along, their works praise them.

FRUIT.

D. C. Peely, of Santa Cruz Mountains, made an excellent show of Grapes—18 large Dishes, choicest kinds, and all selected Clusters—the following are those shown: Flaming Tokay, Muscat of Alexandria, Muscatelle, Black Balsac, Grey Reliance, Hamburg, Black Malvoise, Rose of Peru, Tentative, Verdal, Zante, and Chabon, many clusters 4 to 6 lbs.—a fine display truly.

Peely informs us he will have some 20 Tons of all, the balance he makes into wine.

G. M. Jarvis, on the Mountain Vineyard Hill, had a large and valuable collection of Grapes, exhibition, some 23 varieties, Muscats, Hamburg Malvoise, Rose of Peru, Tokay, Reliance, and many other best sorts, together with fine Isabella Catawba and others.

Mr. Jarvis filled a long table and made an admirable display—like a true worker, he has a large and fine Vineyard and makes fine Wine, large quantities—we received a bottle of very superior indeed, equal to the best Importers Wine.

Mr. Jarvis had several varieties of Wines on exhibition which were very meritorious—Port, Red and White Wine, Muscat, and Sweet Wines—very creditable, also fine Brandy, his Vineyard covers 75 acres, made 28,000 Gallons Wine last year, will make 30,000 this year and 1,000 pounds of Raisins.

Ira Howe, from a small Orchard of 80 Trees, made a good show of Apples, one Branch of Bittersweet, 13 Apples—superb—all weighing about dozen pounds.

Benj. Porter, of Soquel, 5 Dishes of Apples—fine, and 3 Dishes of Quinces—extra.

A. Noble of Soquel, 12 Dishes of Apples—all fine samples—also a Wreath of Corn.

M. A. Vigram, 6 Dishes of Pears—all fine specimens.

Amasa Pray, very fine Apples.

John Wills, Apples extra fine, Pears fine English Walnuts, &c.

H. Poland and H. Dixey, both small patches of Fruit.

Mrs. F. J. McQuinn, very fine Quinces.

F. H. Rooge, Boxes of Strawberries and Blackberries—very superior for so late in the season, also 12 Dishes of large and splendid Apples, many extra fine.

John Doyle, a Table of splendid Apples, Bittersweet, Alexander, Beauty of Kent and a few Sweet Russets. More Choice Sweet Apples should be grown.

Dr. Bailey, a Basket of fine Apples.

E. R. Oatman, a Table of fine Fruit, Apples, Pears and Quinces—these specimens were extra fine, also a fine late Peach.

Mrs. Noble had Fresh Flowers also, making life and freshness.

Mrs. Mary K. Roberts, several specimens of most work.

Mrs. Hilde Lemkuhl also good work, several other Young Misses very creditable work, worthy encouragement—we found it difficult to find names of all Exhibitors.

Mrs. W. P. Young, bottles with the Cucumbers grown inside to fill them, then preserve them, a curiosity.

Mrs. Addison Newell, a fine Shell Bracket for Books.

Mrs. Milly Caloon, a handsome Bracket furnished with Oak Mosses and leaves in fine taste.

Mrs. Truett, a good show of Preserves.

Mrs. S. P. Lake also a good show.

Mrs. E. Bernheim, Blackberries.

Mrs. — a handsome Hanging Basket of Flowers, the outside form made of scrapings of Cattle Horns, white and clean—a fine show.

Mrs. Hibbard, a Lady much advanced in years exhibited a handsome Rug, made of bits of cloth of many colors, drawn through heavy bagging so as to form flowers, like rich carpeting, thus appeared like Imported Rugs, they were well finished, their thickness nice as a Turkey Carpet.

This was a noble example for an aged Lady to place before the many young girls that could be thus employed far better than spinning street yarn and doing—nothing.

There were other specimens of Rug Work, and various contributors still coming in as we left the last day but one, and we regret we could not note all.

VEGETABLES, GRAIN, &c.

Mr. Dowling made a large and fine show of Vegetables of all kinds—the best collection shown—fine samples of Potatoes, Squashes, Cabbages, Pumpkins, Corn, also Apples, Early Rose Potatoes—extra.

A. Newell, Valparaiso Squashes—large, and many fine Vegetables.

A. W. Billings, fine Potatoes.

S. A. Hall, 4 varieties of Potatoes—fine.

H. M. Terry, Maize Wurzel and a Big Turnip.

Master Eddie Spilker, a Big Blood Beet.

A. A. Heacock, a very good show of Vegetables—fine samples.

Emanuel Dameri, a fine show of Vegetables from the Italian Gardens.

G. P. Laird, of Davisport's Landing, Big Beet—fine.

W. H. Comstock, a collection of fine kinds of Corn, including Rice Corn.

John Burns, a fine wheat of Corn.

James O'Connor, Bags of Wheat and Oats.

Freddie W. Rice, a show of Pop Corn.

John Wilts, a show of Corn.

Charles G. Fisk, of Vine Hill, very fine Dent Corn—large sized ears.

O. S. M., Wheat and Oats.

W. Harvey Comstock, a fine Sheaf of Oats.

Many lots were brought in as we were leaving, and we could not report them.

DAIRY EXHIBIT.

H. M. Terry, of the Moda Ranch, with a Dairy Stock of 300 Cows, showed very superior Butter, fresh, and also Pickled Butter put up last May, far sweeter and better than much of our fresh butter now offering. Mr. T. makes now only about 2,000 lbs., per month, in full season 7,000 lbs.—this was a notable and creditable show.

S. P. Laird exhibited fine Butter and 3 fine Cheeses, showing a good dairy work, we regretted we could not find the exhibitors for facts.

POULTRY, &c.

The following persons exhibited a few kinds of Poultry, each:

Theo. Wilts, Willard Stewart, J. B. Binney, A. C. Lough, T. E. Tidball, Franklin Green, Mrs. Daubenbiss and Mrs. J. F. McDan—many of the Birds were fine, all good.

We regret our inability to obtain all the names of Exhibitors, we have done all we could however, and record here our thanks to the Secretary and others for attentions, particularly B. P. Kooner, Esq., of the Santa Cruz Sentinel.

Another year we hope to record the formation of a District Fair, with a State Bounty to aid it on to a much greater success—*finis*.

GRAND SALE OF FARM WAGONS.

The "Stadebaker Farm Wagon" has had a great sale this season, and although there has been a large number of other Wagons upon the market the "Stadebaker" has had the largest sale of all, and as many as several kinds put together.

E. E. Ames, Esq., of Sacramento, the Agent for this very popular Wagon for the Pacific Coast has done a very large trade in these Wagon, and having established a manufactory at Sacramento and made several improvements to their Style, from the original, his sales will approximate to nearly a Thousand Wagons for the year of 1873.

No Farmer's Wagon ever made has had so great a sale as the STADEBAKER.

MARINE ANIMALS IN FRESH WATER.

At the present day, animals commonly supposed to be essentially marine are occasionally found inhabiting fresh water. In the inland fresh lakes of Newfoundland, seals, which never visit the sea, are common and breed freely. The same is the case to Lake Baikal, 1,280 feet above the sea-level, in Central Asia; though these facts bear but slightly on my present subject, seals being air-breathing Mammalia, yet in the broad mouth of the Amazon, far above the tidal index of sea-water, marine molluscs and other kinds of life are found, and in some of the lakes in Sweden there are marine Crustaceans.—*FAIR. RANNEY, in Popular Science Monthly for September.*

BAGS! BAGS!! BAGS!!!

Messrs. Ross, Dempster & Co., large Importers of Grain Bags, are offering them by large invoices to the trade, this House sell them by Millions annually.

New Advertisements.

THE WESTERN
Savings and Trust Co.,

136 MONTGOMERY STREET.

Occidental Hotel Building, San Francisco,

CAPITAL, 1,000,000.00.

H. J. BOOTH, President
A. G. STILES, Vice President and Cashier
J. H. GRIFFITHS, Secretary
H. H. HAIGHT, Attorney

ROBERT WATT, Executive Committee
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H. J. BOOTH (of H. J. Booth & Co., Union Iron Works), San Francisco.
ANSON C. STILES, San Francisco.
L. B. HARRIS, San Francisco.
ISAAC LOHMAN, Oakland.
PETER SPRECKLES, San Francisco.

ALL KINDS OF SAVINGS, COMMERCIAL AND TRUST FUND DEPOSITS will be received in sums of not less than three dollars.

DIVIDENDS will be payable semi-annually, in January, and July of each year. No charges will be made for opening accounts.

Loans will be made on security of Real Estate, United States Stocks and other approved securities. 39.19.

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" Argentea Marginalis,	1.00 " "
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shown in this section of the State, and to offer no Implements
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We offer the following:

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MOWER AND REAPER COMBINED,
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REVENGE.

(D. O. BURLONG, Lat Rhetoric.)
[A Pupil in the Santa Clara College.]

Published in the "Owl" a Magazine issued by the Pupils.

"REVENGE is mine," thus hath he said,
The ruler of the quick and dead:
And can't thou, mortal, be so bold
Within thy breast revenge to hold?

O fool! Thine own worst foe thou art
That nursest vengeance in thine heart:
Whose lurid flames mislead the soul,
And turn her from her destined goal.

The knife may deal a traitor's blow,
The unseen bullet pierces the foe,
And man may boast, with pride elate,
The crime that sealed a brother's fate.

Revengeful feet may spurn the slain,
Or stalk the world in proud disdain;
Yet, should repentance touch the heart,
Ah, then it seeks the better part!

Man's noblest deed, in this brief life,
Were thence to banish hateful strife;
This done, Hell's power would straightway cease,
And JESUS reign, the Prince of Peace.

REPROOF.

(FROM THE CHARMER OF OCEAN FORGIVENESS.)

The tree to me light whispering says:
"Why is thy heart so full of grief?
No lamenting do I utter,
When the autumn takes my leaf."

"For, at the right hour, God
My foliage takes the leaf again.
His wisdom, too, decrees the time
To wound thee or to cure thy pain."

I hear a voice from out the brook:
"Why dost thou weep? Do not repine.
I, too, must break through care and thorn
Before the light upon me shine."

"When forth from caverns dim I come,
More golden shines on me the light:
So on thy eyes, which long have wept,
Will gladness beam more heavenly bright."

O God! how blinded was my heart,
To be to wild despair thus moved—
I, child of an Eternal God,
By Nature's voices am reproved.

Oh God! Thou art my Father true—
Thy child before the lowly stands;
Whether I weep or I rejoice,
I am forever in Thy hands.

—In Overland Monthly for November.

"THE HILLS OF THE LORD."

BY WILLIAM C. GARRISON.

God ploughed one day with a earthquake,
And drove his furrows deep!
The budding plains upturned,
The hills were all asleep!

But that is the mountain's secret,
Age hidden in their breast;
"God's peace is everlasting,"
And the dream-world of their rest.

He has made them the haunts of beauty,
The home of his grace;
He spreads his moraines on them,
His sunset light their face.

His thunder tread in music
Of footfalls echoing long,
And carry majesty's greeting
Around the silent throng.

His winds bring messengers to them—
Wild storm-words from the main;
They sing it down the valleys
In the love-song of the rain.

Green tribes from far come trooping,
And over the uplands flock;
He has woven the robes together
As a robe for his risen rock.

They are nurseries for young rivers,
Nests for his flying clouds;
Homesteads for new-born races,
Masterful, free, and proud.

The people of tried cities
Come up to their shrines and pray;
God freshens again within them,
As he pauses by all day.

And lo, I have caught their secret:
The beauty deeper than all!
This faith—that life's hard moments,
When the jarring sorrows tell,

Are but God ploughing his mountains;
And these mountains yet shall be
The source of his grace and freshness,
And his peace everlasting to me.

—In Old and New.

A GENTLE WORD.

A gentle word is never lost.

The failing brother needs it;
How busy 'd 'st thou small the cost!
With joy and comfort speed it—
Then drive the shadow from thy brow.
A smile can well replace it;
A word can well replace it;
With gentle words to grace it!

QUALITY.

MAN WHO "ARE UP TO THE MARK."

How often we hear it said of those who come short of their undertakings, and who, from some cause, fall in what they undertake: "He is not up to the mark."

Of another it is said: "Boy though he be, he is always in the lead."

The first has too much "slack" in him, and drags one foot lazily after the other. The second has "snap" in him, and when he acts or speaks he accomplishes something, and is felt. He is "up to the mark," and will make life a success, be his calling what it may; while the first notified is shuffling, shiftless, slipshod, and will scratch a lazy, poor man's head all his life.

What is the organic difference in the "make-up" of these persons? Their heads and their bodies seem to be much alike in size, and yet they are so different in disposition. Pray, who can tell what makes this difference.

There may be several causes.

First, the quality may be very different, and this element is chiefly derived from parentage. The parents of one were coarse and flabby. Owing to the way they lived their blood was poor and watery, their system was saturated with watery, or other foul stuff. The mother's body was made out of pig, pumpkin, and onions, moistened with beer, green tea, and muddy coffee. The father was rheumatic, gouty, dyspeptic, and the mother was almost an invalid from a complication of infirmities or diseases. Children were born to them, and this unfortunate "sap-head" is one of them. He is more to be pitied than blamed. "He was born so."

Some people are so "refined" that they can not subsist on common food, but must eat pastry, confectionery, knock-knacks, and froth; they keep late hours, retire at midnight, and seem to shun bright daylight. Their windows are tightly betted, and closely shaded with curtains. Fresh air seldom finds entrance to parlor, drawing-room, or bed-room. The beautiful feather beds are overhung with costly curtains. All the floors are heavily carpeted, and one breathes the invisible dust which rises therefrom at every step. The occupants of these charming cages are fragile creatures; but they sometimes have children, and these children are—like their parents—"refined" and fragile. The original stock, however, usually runs out at the second generation. It may reach the third, but it becomes impotent and barren.

The Sensibles are they who live according to Hygienic principles. They eat and drink to live, rather than live to eat and drink. They neither snuff, smoke, nor chew tobacco; they drink no beer or bourbon; they do not gamble; neither do they steal, rob or riot; they earn an honest living. Industrious, temperate, frugal, honest, and religious, they become, in little metaphor, the "salt of the earth." They are clean, healthful, active, vigilant, enterprising, up to the mark in all good works. They build school-houses, churches, asylums, hospitals; and they plant trees by the highways, that others may enjoy the shade and fruits thereof. They are merciful to horses, cattle, and other animals. Their children live grow up, and follow their progenitors with gray hairs of honor to their last earthly resting-places.

The vagabonds, though of very poor quality at birth, still further impoverishes his body and brain by an idle, shiftless life. He prefers the uncertain chances of hunting and fishing for a living to the more sure and certain returns of steady work and honest toil. He works only when necessity or hunger compels.

Have we answered the question as to the differences in these persons? Is it not clearly seen that the matter of quality is important? Is it not as clear that we may, and do, improve or degrade the quality of body, brain, and mind, by the way we live? What we eat, drink, breathe, and the occupation we follow, have much to do in determining these conditions. We leave the subject to the reflection of those who would be "men up to the mark."—*Phrenological Journal.*

FLORICULTURE FOR CHILDREN.

Flowers and children take to each other as naturally as young ducks to water—an instinct designed by our Creator as a means of moral education and a source of happiness akin to that our great parent enjoyed in Paradise, holding fellowship with nature and with God. Children also delight in cultivating flowers, especially when they are allowed to have a garden or flower bed of their own, where they may plant and sow, weed and hoe in their own way, and watch the growth and development of leaf, stem and bud, until the crowning blossom appears. It affords them healthful recreation and pleasing instruction at very little expense; and who can estimate the value of a flower garden as a means of making a home more beautiful and attractive to young people, and thus in some degree checking their desire for unseemly pleasures.

Here is an important truth, forcibly expressed by one of our Exchanges, which all Parents who desire the well-being of their children should regard, yet very few Parents give any attention to the cultivation of this taste in their children, leaving them even ignorant of all that relates to Natural History.

A QUEER SPECIFIC FOR RHEUMATISM.

We see by foreign journals that one of the new notions in Belgium is the use of the *Plectranthus fruticosus* for rheumatism. All that is required, it is said, is to grow the plant in the room occupied by the sufferer. The plant is known in England under the name of "nettle geranium" (probably because it is neither a nettle nor a geranium), but we are unable to state whether rheumatism is unknown in the cottages where it is cultivated as a window plant. If it really has the medicinal powers ascribed to it, which we greatly doubt, though we can give no conclusive reasons for our unbelief, it is likely to become a household favorite every everywhere.

THE REAPERS.

The following Poem was read at the last Annual Examination of the Mills Institute, by Miss F. H. ROOSE, a Graduate. We take pleasure in presenting this most admirable Poem as one of the best compositions—one of the most beautiful Poems that has ever been published—doing great honor to this gifted Young Lady:

From the north, where snows eternal
Wrap the land in robes of white,
And the icebergs break their moorings,
Floating southward out of sight,
To the land of heated tropics,
Where the broad and feathery palm
Waves aloft in quiet grandeur,
And the air is full of balm;
From the Seythian plain far eastward
To the sunny slopes so fair,
Laved by calm Pacific waters;
There are Reapers every where.

Reaping in the dark blue forest,
Reaping on the sunny hill,
Working in the quiet valley,
Gathering by the murmuring rill,
Some are living things of nature,
Leaves and flowers, birds and bees;
Some are men who gather riches
From the rivers, fields and trees.
Some are strong and varied forces,
Wind and waves, and heated air;
All are workers in God's vineyard
Reaping, gathering every where.

In the forest, on the leeches,
Drinking in the warm sunbeam,
Or its tepid moisture reaping
From the cravies or the beam,
How it pulses the solid granite
With its fairy grooves and rings!
How it makes a pictured beauty
Of the most unlovely things!
See the rapid growing fungus
Reaping in the sluggish pool,
Or feeding on decaying fiber
In the forest dark and cool;
Note the breezes as they wander
Through the vale and o'er the hill,
Reaping perfume from the violet,
And the yellow daffodil.

Bending o'er the sweet May flower,
Toying with the lily's pride,
Till with sweetness they are laden
From the rose war and wide.
How the mighty rushing river,
Rolling onward wild and free,
Bears its soil-enriching burden,
Gleamed from moonlight, hill and sea,
Making fertile all the valleys
Spread along its winding course,
Building out the fruitful delta
With the gathering from its source.
And beneath the storm-tossed billows
Of the vast and rolling main—
There, in store-house of Old Ocean,
It is garnered grain by grain.

In the vast expanse of ether,
Rolling on for countless years,
Glide the circling planets idly,
To the music of the spheres?
No—though voiceless as they journey,
Yet they're reaping as they run,
Stores of heat and wealth and sunshine
From the great life-giving sun.
Turning from these things of nature,
Which are gathering every where,
We find the busy human reaper
Trilling on with ceaseless care—
See the driver, pale and weary,
Plunging down beneath the scythe,
Gathering pearls, earth's acid dew-drops,
For the crowns of royalty,
And the eager diamond hunter
Of Golconda or Brazil,
Searching for the sparkling jewels,
Reaping, yet, yet searching still.

How the echo, who and learned,
Travels a weary mile,
To the plains of ancient Mesopotamia,
Or along the sandy Nile;
And above the sea-plumed marble,
How he bends with throbbing brow,
Reaping knowledge of great nations,
Which are still and silent now.
But besides these fields of labor,
There are brighter, nobler ones,
Where the harvest is not merely
Earthly gems or precious stones;
Fruitless jewels there are garnered,
Human souls from ways of sin,
Valued far above the rubies;
Costly pearls that dwell within.
And these fields all while for harvest,
Lie around on every hand,
In the village, town and city,
Everywhere throughout the land.

But the reapers that are wanted,
Are they Nature's silent powers?
No, but noble men and women,
And this harvest work is ours.
In these halls of truth and learning,
We've been reaping, gathering,
Stores of knowledge wide and varied,
Working well, these slaves to wit.
But we have not finished reaping,
We're but gliding for the strife,
For the nobler work of life.

We must gather knowledge always,
Reap the good on every hand,
From the tiny meadow flower
From the drift of Ocean's strand;
But our nobler work's before us,
From our nobler work's before us,
We must seek the lost to win,
We must be to those in darkness,
Like the morning breaking in,
With this noble work before us,
Can we sit in idle ease,
Poring over idle fiction,
Aiming just ourselves to please?
No! our watchword is "Reapers" still,
And we'll live our noble name,
All our lives we'll be "The reapers,"
Gathering in the golden grain.
But, if perchance, while others reap,
And we long to labor, too,
But in God's good providence,
We are placed with ought to do,
At our lot we will not murmur,
But we'll gather all we can,
And our Father will accept it,
When our work he comes to scan.
Then let us reap beside all waters,
With a heart for every need,
Let us reap in faith, and never
Shall we sorrow for the seed.
So when our work is ended,
And we gather in our sheaves,
We'll not then go poor and weary,
And counting naught but leaves.
And when our Father calls us home,
Bidding us to leave the field,
And above in his great storehouse,
All our golden burdens yield;
We will turn with glad rejoicing,
And we'll about the harvest home;
And to heaven's golden portals,
Laden with our sheaves we'll come,
We'll not fear to meet our Father,
For the humblest he receives;
So with eyes upright we'll murmur,
"Master, here behold our sheaves!"

HINTS TO MEN-FOLKS.

Do men-folks think how much work they make by coming into the house with muddy boots? It would take but a moment to use the scraper and leave outside the door the dirt which they track from room to room, all of which must be washed, scrubbed and wiped. If your wife, mother or sister falls to scrub up the dirt that the careless men-folks bring in on their feet, how sadly discontented you are because things do not look neat and tidy. And when you go home at noon or night do you ever notice how you act? Of course not or you would not do so. As often you enter the door with a slam, it closes half way and some woman must close it after you. Your overcoat is thrown over the back of a chair in one corner of the room; your hat sails away into another, to light upon a lightstand or under it, perfectly immaterial to you, of course; gloves are thrown on the table, necktie is thrown into the nearest chair; down you sit in the centre of the room for every one to navigate around you the best way they can. After you have been in the house an hour or two, the room is in a frightful condition; hat, boots, coat, newspaper, overcoat, gloves, books, jack-knife, hair-brush, and all articles you may have had in your hands, are scattered in every direction around the room, the trouble is you do not stop to think. It would take but a moment to hang up your coat and hat, to put your gloves in your coat pocket, to cultivate your bump of order a little. It takes but a moment to put an article in its place, and then it can easily be found.

The woman who takes care of the house has enough to do without picking up things after thoughtless men-folks half of the time. A woman's work is never finished. You expect her to keep the house neat and tidy; if it is not so you will start for the saloon. You expect her to always have her hair combed, her dress pure and spotless, your clothes always in order, the dirt kept from its thousand gathering places, something good to eat three times a day, besides the lunches which you think it impossible to do without, and herself to be equally as pleasant and attractive as she was the night you popped the question. How can she be all this if she has to spend half her time picking up things that you in your thoughtlessness dropped around the room? I write this to show you in how many ways you can assist the mother, wife or sister, by being more thoughtful. Try it, please, for their sakes, will you not?—FANNIE, in *Maine Farmer*.

EXCRETORY POWERS OF THE SKIN.

Not only do the capillaries of the skin keep up an uninterrupted discharge of carbonic acid and take in oxygen in return, but this organ is also abundantly provided with small glands of two kinds, excreting from the blood the perspiration and the sebaceous or greasy substance of the skin. The perspiration contains many regularly detached scales of the epidermis. Beside a small quantity of fat, several volatile organic acids, consisting only of carbon, hydrogen and oxygen, are the principal constituents of the perspiration. The chemist calls these butyric, butyro-acetic, and formic acids, and classes them in one group as being in their composition very similar to the fatty acids, to which butyric acid belongs, also with respect to its other properties. These acids occasion the sourness of the perspired fluid. Common salt, chloride of potassium, sulphates of the alkalies, and traces of phosphates of lime and iron, are also dissolved in the perspiration.—*Maine Farmer*.

MINERAL WATER FOR PLANTS.

A curious discovery has been made public in France, in regard to the culture of vegetables and fruit trees. By watering with a sulphate of iron the most remarkable fecundity has been attained. Pear trees and beans which have been submitted to this treatment have nearly doubled in the size of their productions, and a noticeable improvement has been remarked in their flavor. Dr. Becourt reports that while at the head of an establishment at Enghein, for the sulphurous springs, he had the gardens and plantations connected with it watered during several weeks of the early spring with sulphurous water, and that not only the plantations prospered to a remarkable extent, but flowers acquired a peculiar brilliancy of coloring and healthy aspect which attracted universal attention.—*The Eclectic Ruralist*.

WOMANLY MODESTY.

Man loves the mysterious. A cloudless sky, the full-blown rose leaves him unmoved; but the violet which hides its blushing beauties behind the bush and the moon, when she emerges from behind a cloud, are to him sources of inspiration and pleasure. Modesty is to merit, what shade is to palating; it gives its boldness and preeminence. Nothing adds more to female beauty than modesty; it sheds around the countenance a halo of light which is borrowed from virtue. Botanists have given the rose hue which tinges the cap of the rose the name of "maiden blush." This pure and delicate hue is the only paint that Christian virtue should use; it is the richest ornament. A woman without modesty is like a faded flower, which diffuses an unwholesome odor, and which the prudent gardener will throw away from him. Her destiny is melancholy, for it ends in shame and repentance. Beauty passes like the flower of the alce, which blooms and dies in a few hours, but modesty gives the female character charms which supplies the place of the transitory freshness of youth.

HOW DOES THE COLOR OF FLOWERS VARY?

An amateur, Mr. Hughes, had some primroses which he transplanted into a better soil and the result was that from yellow, the flowers became an intense purple. By a similar modification, and by mingling with the soil certain substances, one may vary the color of plants. Charcoal deepens the tints of dahlias, hyacinths and petunias; carbonate renders hyacinths; and the phosphate of soda changes in various ways the hues of some plants. It is known that a heathery soil makes the green hydrangeas red.

As a stout old lady got out of a crowded coach in front of the Russ House the other day, she exclaimed, "Well, that's a relief, my how!" To which the driver replied, eyeing her ample proportions, "So the ladies liked, mem."



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32-20

Miscellany.

SINGING-BIRDS FROM GERMANY.

One of the most disinterested movements that have been recently chronicled is the one which has for its object the importation of German singing birds, and birds whose habits render them useful in the destruction of insects. Several years ago, a private individual, it may be remembered, imported a large number of German sparrows and turned them loose in Spring Grove Cemetery. These have flourished and extended their territory until they are now to be found as far east as Chili. Recently, last fall a society was formed among our German citizens, called the "Acclimatization Society," the object of which is to import from Germany some of its famous singing and field birds, not to be caged and kept for private use, but to be turned out to fill the woods and fields with feathered songsters.

The members believe that the birds they bring over will easily become accustomed to their new home, and those of them that go to warmer climates in the winter will return to this vicinity in the spring, and that as they increase in numbers from year to year, they will find homes still within a circle whose centre will be Cincinnati. The movement is one for the public good, to furnish superior singing-birds, and to bring also the birds that are useful in destroying insects. In this view it is plain that the inhuman practice of booting and otherwise destroying wild birds should be discouraged in every possible way.

A large importation of 1,500 birds in pairs arrived yesterday. The birds may be seen this morning at Mr. Schaw's, where they are stored preparatory to their distribution to members of the Society. The birds are brought over in the little wooden cages seen at the bird stores, about six inches square. Each bird has a separate cage. Eight or nine cages are fastened together, for convenience in handling. When piled up, the 1,500 cages make a formidable heap. The cost of transporting them from New York alone was \$75. Add to this the cost of ocean transportation, of attendance, of catching and caging, and it will be seen that the little songsters are brought here and turned loose at no small cost.

Among the birds imported are the black-bird (a singer), thrush, golden finch (very beautiful and a sweet singer), green bird, bullfinch (easily tamed and trained, red-breast, starling (a fine singer), lark (like the famous English lark), greenfinch, goldfinch and knot-pecker. The last named bird is of the size of our small hawk, and has a powerful talon. When one is caught, the fowler has no difficulty in catching as many as he desires. All he has to do is to fasten the bird on his back by the wings, and secret himself near. The bird will set up a piercing cry of distress, that can be heard at a great distance, and will call all knot-peckers to his assistance. As soon as one sights to aid the prisoner, the latter seizes him by the leg and holds him until released by the fowler.

The society, of which Mr. Andrew Erskinebrecher is president, and Mr. Armin Tenner is secretary, propose to make another importation this year, twice as large as this one, when they will bring over the wag-tail, the magpie, hedge sparrow, titmouse, nightingale, redtail, German quail, (a singer), and fence sparrow, with such others as may be considered worth bringing. The society has been initiated by the formation of similar societies in Sandusky, Ohio; in Mississippi and St. Louis.—Cincinnati Gazette.

[We hope the same plan may be adopted by our city authorities for our New Central Park.—Ed F.]

CLIPPINGS.

Heavy frosts have visited Iowa and Missouri, and done great damage to the corn, tobacco and buckwheat crops. The production of tea in Japan for 1871 was 35,000,000 of pounds, one-half used in that country and the other half exported. The best produced is in the province, where are trees 400 and even 500 years old which produce tea worth 85 per pound.

Hogs that run in an orchard picking up the windfalls, and occasionally good apples, never have the hog cholera, which is another proof of the value of a fruit diet. Intense excitement prevails in the oil regions over the discovery in that district of a fourth sand rock, which promises to be more prolific in the production of petroleum than either of the formerly producing strata of the second and third.

Two Millionaires were standing at the Fairmount water works in Philadelphia, watching the big wheels splash the water in every direction, when one of them remarked, "Mike, ain't this a queer country, where they have to grind their water before they can use it?"

REMARKABLY GOOD SHOOTING. On last Wednesday, says the Lakapo "Beo," Dr. J. S. Downes, with one of Charley Slatterbrook's telescopic idea, put eight consecutive shots into an ace of hearts at a distance of 100 yards—three if them entering the same hole. This is good shooting, and hard to beat anywhere.—The Sacramento Bee.

A HINT FOR GRUMBLERS.

We have a dot for the Grumbling Farmers to crack, for those who are continually grumbling and growling because it don't pay to raise wheat, that it costs all they get for it to pay for the bags that the "Big" control, and the great "Monopolists" the "Be Road Ring" charge for freight, and they keep growling because they can't get bags for putting, and their grain carried free.

When at the Chico Fair, we found many good intelligent Farmers who "didn't find it pay," to raise wheat, for they say it has only cost about one-half for bags this year that it did 2 or 3 years since, and the expedition with which grain can be marketed and the facilities given now to the former plan of running to market makes a saving of one-half the expense.

Dr. Glenn, of the Glenn Ranch, of Colusa County will put 20,000 acres in wheat the coming season, the Dr. is a capital Farmer, and he knows it pays.

There are also a large number of enterprising Farmers who cultivate very extensively and earn money in raising wheat.



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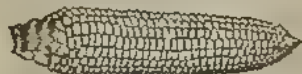
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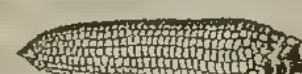


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With Hot Milk as Chocolate, With Milk and Sugar, With Milk and Salt, With Cream and Sugar, With Water and Sugar, Dry with Salt, Good in Any Way.

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37.8

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Alfalfa! Alfalfa!!

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The amount of Alfalfa Seed sold the last year exceeded 200,000 pounds, and the supply was not equal to the demand.

The call for Alfalfa this year will undoubtedly far exceed the last, and it would be wise for those who intend purchasing to buy early as by such means they can secure their Seed, and on better terms than late in the year when the demand is pressing.

The undersigned have received their Seed early this year so as to provide for their Patrons early, and on the most favorable terms.

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In addition to Alfalfa we offer also every other kind of Grass Seeds for field culture, viz:

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N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars. N. G. 37.17

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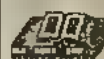
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Agriculture.

IN THE FALL.

O Autumn, with thy dying smile;
So faint, so sad, and yet so sweet;
Amid the shavings of my feet
By pattering and broken shell,
I feel the secret of thy spell,
The dying year in fall retreat—
Forever.

Rebathed by the last week's rains,
The fields recall the green of spring;
The hills describe a sharper ring;
The dews in diamonds drench the plains;
The leaves grow thinner in the lanes;
The threads upon the hedgerows cling—
In silver.

Fall, like the fading forest hair,
The slanting sunbeams struggle through;
The sky is of a turban blue;
A penitence ascends the air;
And, with pathetic sweetness fall,
The van world seems to wave adieu—
Forever.

The cattle browse along the fence;
The piping robin haunts the lanes;
The yellow-turning woodland "wanes";
The apple tumbles from the tree;
And autumn, ragging through, links on
To Nature.

O gentle and poetic year,
What is the secret of thy power?
Why do my poems now flower
Between a radiance and a tear?
And yet I find no language here
To paint what trembles to the hour—
Within me!

O Eden-world of hill and green,
And distant gleams of slumbering blue!
I find no lyric language true
To paint the shadowed and the seen;
O infinitely touching view,
In vain thy spirit peeps between!
The subtilities that lie in you
Evade me.

GOOD LIFE, LONG LIFE.

He liveth long who liveth well,
All else is life but dung away;
He liveth longest who can tell
Of true things truly done each day.

Then fill each hour with what will last,
Buy up the moments as they go;
Till the day comes, when this life is past,
Is the ripe fruit of life below.

Now love and taste its fruitage pure;
Now peace and reap its harvest bright;
Now rubbings on the rock and moor,
And find a harvest-home of light.

THE MATERIAL PROGRESS OF CALIFORNIA.

The progress of California in material enterprises is something quite wonderful and startling. A year brings about changes for which one can hardly look in ten years. It is but eighteen months ago that the idea of a system of irrigation, to include the whole of the San Joaquin Valley, was broached, and then the most sanguine of the protectors thought that to give their enterprise a fair start would require years, and a great number of shrewd men believed the whole scheme visionary. But a few experiments showed to land-owners and capitalists the enormous advantages of irrigation, and now this scheme has sufficient capital behind it, and large land holders are offering subsidies and mortgages their lands to raise means to hasten the completion of the canal. Two years ago the reclamation of the two lands, though begun advanced slowly, and arguments were required to convince men that the tide land was a safe investment. But this year eight hundred miles of levee will be completed, and thousands of acres will bear wheat next harvest which were overgrown eighteen months ago. Two years ago the question whether California could produce good raisins could not be answered; but last fall raisins which sold in the San Francisco market beside the best Malaga were cured by several persons, and it is now certain that this State can produce—and from its poorest ridge-hill lands—raisins enough to supply the whole Union. Not a year passes but some new and valuable product of the soil is naturalized in this State; and one who has seen the soil and who knows the climate of the two great valleys, who sees that within five, or at most ten years all their overgrown lands will be diked and reclaimed, and all their dry lands will be irrigated, and who has, besides, seen how wide is the range of products which the soil and climate yield, comes at last to have what seems to meet Eastern people an exaggerated view of the future of California. But, in truth, it is not easy to exaggerate, for the soil in the great valleys is deep and of extraordinary fertility; there are no forests to clear away, and farms are ready made to the settler; the range of products includes all those of the temperate zone and many of the torrid; the climate is invigorating and predilect to labor; and the seasons are extraordinarily favorable to the labors of the farmer and gardener. The people have not settled down to hard work. There are so many chances in life out there that men become orientalist—speculative spirit invades even the farm-house; and as a man can always live—food being so abundant and the climate so kind—and as the population is as yet sparse, men are tempted to go from one avocation to another, to do many things superficially, and to look for sudden fortunes by the chances of a throw venture, rather than be content to live by patient and continued labor. This, however, is the condition of all new countries; it will pass away as population becomes more dense. And, meantime, California has gifts of nature which form a solid substratum upon which will, in a few years, be built up a community productive far beyond the average of wealthy or productive communities. This is my conclusion after seeing all parts of the State more in detail than perhaps any one man has taken the trouble to examine.—CHAS. RICHMOND, in Harper's Magazine for November.

The amount of land devoted to wheat culture in Great Britain is only one-half larger than that devoted to the same object in the State of Illinois. Illinois has 2,500,000 people to supply Great Britain 33,400,000.

AUSTRALIAN LEATHER.

The ancient History of Australian Leather will be found full of interest, these facts have been published in the *British Trade Journal* and gathered from the *Victorian Exhibition Catalogue*:

To trace the origin of the leather manufacture would carry us very far back in the history of the human family. How soon after Babel's arrival on the river Tigris the skins of beasts were first prepared for the use of Victorian colonists it is not necessary to determine. A sufficiently early stage of our great leather manufacture is indicated when reference is made to a primitive tannery, that was observed in the first year of the settlement of Port Phillip, in which raw bullock hides, suspended by their four corners from contiguous saplings, did duty as pits. In these, other bullocks' and cows' hides were soaking in an infusion obtained from mimosa bark, which the tanners had whitened with their pecked knives, and (it is added) macerated with their teeth. Now, from this small beginning, Victorian tanning grew and prospered, it would take time to tell. By-and-by, proper pits were dug in which to steep the skins, curriers' shops were built and furnished, and several kinds of leather suitable to the requirements of the country were turned out, if not of the highest finish, still possessing qualities of usefulness and durability. Coming down to the commencement of the gold-producing era, we find that the leather manufacture suffered from the temporary neglect into which all the older industries of the colony then fell. In 1853, the price of ox and cow hides in Melbourne was only 5s. each, while in the interior they had no money value at all. In the beginning of 1854, the exportation of salted hides was commenced, and they were bought on the gold fields for from 1s to 2s each. The rates of carriage from the diggings to the seaboard were then very high, and in the winter months teamsters would not burden themselves with return loading at any price that the hide-dealers could afford to pay, and the skins, then so abundant at all the new diggings, had either to be salted and held over until summer set in, or permitted to go to waste. The first hides brought to town cost 7s 6d. a piece for cartage alone, which price gradually fell till it reached 5s 6d per skin, to the great encouragement of the hide traffic. From 1854 to 1859, the great bulk of four hides was exported, but in the latter year tanning on a considerable scale commenced, and has so increased since then, that we now use up nearly all our raw material, and supply nearly all our own requirements, while we also export a considerable quantity of excellent leather. This trade has long presented this unusual feature, that between Great Britain and Victoria there has been both an export and import traffic in both directions. In heavy sole leather, and in leather suitable for machine work, our domestic supply has been deficient, while of light sole leather we have long had a great deal to spare. But in this last article local consumption is treading close upon the heels of production. The establishment of factories in the colony has led to a very large production of women's and children's boots and shoes, which, until the past few years were nearly all imported, and it now seems likely that ere long we will fully supply all our own wants, and use up the greater part of our own material. Victoria affords many valuable facilities to the tanner and the currier. Its bullock hides are of the very best quality, and the country is rich in valuable tanning barks, of which large quantities are exported to Europe. In the earlier years of the gold fields era, sufficient care was not used in the skinning of slaughtered animals, and the character of our hides suffered accordingly. Now this cause of complaint no longer exists, except in regard to calfskins, which are still roughly handled in the slaughter-houses, and the consequence is, that we are still dependent upon England, France, and Germany for the supplies of the kind of leather that calfskins produce. Sheepskins form an important article of commerce. Large quantities of these are dried and exported with their wool adhering, but a much larger quantity are exported in the form of bawls, and are there employed in numerous branches of the leather manufacture, while a third mode of dealing with them is to finish and dye them in the colony, when they assume many elegant forms and become salable for the purposes of the bookbinder, the coach maker, the purse and pocket book manufacturer, &c. They are exported to America in considerable quantities, after being "chemicalized." Our Victorian roan and emmalmed and spanned leather are as good as can be desired. Goat and kid skins are also worked up to a limited extent, the former sometimes with the hair on, for mats, rugs, and the like. Kangaroo skins are becoming an important article of traffic, and experts declare that they make the toughest and most pliable leather in the world. Boot uppers of this material are most comfortable and durable. It also makes the best of motorco, whips, gloves, &c. Of these skins some are exported in their raw state, and others after being manufactured. Great numbers of kangaroos are slaughtered every year for their skins alone, and the hunters who make way upon them obtain good wages. Nor is their destruction matter for regret, inasmuch as they increase so fast in certain districts of the colony when unmolested as to materially affect the profits of the grazier. Rabbit skins are rapidly becoming an important article of export; these animals having increased to such an extent since their introduction to Victoria, that our settlers have to employ men to destroy them, and immense numbers are thus brought into the market. In Europe these are used in the manufacture of felt hats, for which the fine down which lies close to the animal's bodies is found to be well adapted. In combination with wool and the hair of the Scotch hare. As at present packed for exportation our skins are liable on the voyage to the attacks of a worm, of which they seem to carry the germ along with them, and in this way some proportion of those sent away sometimes sustain injury. But no doubt colonial ingenuity will discover some mode of overcoming this difficulty. The rapid growth of this comparatively trivial industry illustrates the commercial activity of the colony. Five years since, rabbit skins were unsaleable. When first they became an article of trade, they were worth no more than 6d a dozen, whereas they are now worth 1s 8d to 2s in Melbourne, and sell in London for 3 6d. This year (1872) the export has amounted to 100,000 dozens. Many of the marvellous animals of Australia are clothed with rich and beautiful fur, and the conversion of this material into articles of dress and ornaments affords profitable employment. A well finished carriage rug, made of the skins of the Tasmanian black-opossum, is an article of luxury that it would be difficult to surpass, whether in usefulness or in elegance. The animals known as the native bear, the salivator, the wallaby, the kangaroo rat, and some others, all supply the Victorian furrier with valuable material which he converts into men's caps, coats, waistcoats, &c., and into ladies' muff, cuffs, and other articles of wear.

The weather in northern New York has been favorable to seedling, and more than a usual breadth of land has been sown in wheat.

The entire hop crop has been housed, and the estimated quantity of the entire country is put at 11,800,000 pounds, of which New York furnishes more than half, 5,500,000 pounds. The quantity is not so good as last year. The demand will require the importation of some 35,000 bales, or about 8,000,000 pounds.

Established 1853.

Stock for Nurserymen and Florists.

TERMS CASH:

Cherry Seedlings Mazzard,	\$12.00 per 1000
" Mahaleb,	20.00 " 1000
Apple Seedlings,	12.00 " 1000
Pear Seedlings,	15.00 " 1000
Walnut, English, 4 to 6 feet,	5.00 " 100
" California Black, 4 to 6 feet,	5.00 " 100
Spanish Chestnuts, 6 to 12 inches,	15.00 " 100
Cork Elm, 4 to 6 feet,	15.00 " 100
" 6 to 8 feet,	20.00 " 100
Blue Gum or Eucalyptus in variety	\$3 to \$10 " 100
Magnolia Grandiflora, 3 to 5 inches,	3.00 per dozen
" 6 to 12 inches,	6.00 " "
" 13 to 18 inches,	12.00 " "
Golden Arborvitae, 8 to 13 inches,	6.00 " "
" 13 to 18 inches,	8.00 " "
Heath Leaved Arborvitae, 12 to 18 inches,	6.00 " "
Crataegus Arborea, 15 to 18 inches,	2.50 " "
" 9 to 4 feet,	9.00 " "
Eucalyptus Bipartita Vahlgrenii,	2.00 " "
" Poliochloa,	3.00 " "
" Argentea Marginata,	3.00 " "
" Japonica,	3.00 " "
" Auri,	3.00 " "
Sweetlab Juniper, 12 to 18 inches,	3.00 " "
Heath Medietaria, (Hardy)	3.50 " "

Will only sell in quantities specified at these prices, if less 10 per cent. added, if more 10 per cent. discount.

FRUIT TREES! FRUIT TREES! AND WHERE TO PURCHASE THEM!!!

The Santa Clara Valley Agricultural Society has awarded for the Largest Collection of Pears, First Premium to B. S. Fox.

Best Twelve Varieties of Pears, B. S. Fox.
Largest Collection of Apples, B. S. Fox.
Best Twelve Varieties of Apples, B. S. Fox.
Best Collection of Prunes, B. S. Fox.
Largest Collection of Nuts, B. S. Fox.
Best Soft Shelled Almond "Langue de" B. S. Fox.

Forest Trees, Shade Trees, large and small in quantity.

BERNARD S. FOX, SAN JOSE.

THOMAS MEHRIN, Agent, Battery Street, San Francisco. 40.3

A FINE HOME FOR SALE.

A very fine located Farm of 186 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams. Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut. The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,
and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bugy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homeside" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly. 39.24

EUREKA POULTRY YARDS,

Corner Alce and Fifth Streets,
OAKLAND, ALAMEDA CO.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly mated for breeding, at the following low rates:

	Per Pair,	Per Trio.
Light Brahmas.....	\$10.00	\$15.00
Dark do.....	12.00	18.00
Do do.....	12.00	18.00
White do.....	12.00	18.00
Black do.....	12.00	18.00
Partridge do.....	12.00	18.00
Houdan and White Leghorns.....	10.00	15.00

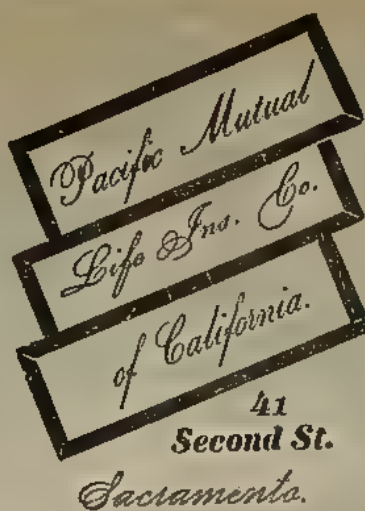
Also
Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Greys-courts. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$2.00 per Dozen, Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Memphis Bronze Turkeys Bred from First Prize Imported Stock weighing 64 pounds the Pair. Will spare Coocks at \$20.00, Hens at \$15.00, Trios at \$45.00.

Parties wishing Birds for Exhibition, will do well to correspond with me and ascertain special rates. Birds Imported on Commission. Please send for Circular and Price List. Address P. O. Box 1874, San Francisco, Cal.

Please state where you saw this Advertisement. 40.1



LELAND STANFORD,
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STUDEBAKER WAGONS



THE "STANDARD" Wagons of the Pacific Coast.

FOR QUALITY, DURABILITY, LIGHT RUNNING, GOOD PROPORTION, AND EXCELLENT STYLE.

They have No Peer.

IRON AXLE, THIMBLE SKEIN, HEADERS, and SPRING WAGONS, Of all sizes, with HEAVY TIRES riveted on, always on hand and sold for \$75 to \$175.

Having established a Manufactory to build Wagons, Beds, Brakes and Seats, I am better prepared than ever to furnish

JUST THE KINDS OF WAGONS NEEDED.

The attention of Dealers is especially requested
E. E. AMES, General Agent,
Factory and Depot, 217 and 219 K St. Sacramento. 39.9.22

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Importers and Wholesale Dealers in

HARDWARE

AND Agricultural Implements,

108 & 110 Front street and

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SOLE AGENTS FOR

Buckeye Mowers,

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ROLLINGSWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW, all sizes from 7 to 18 inches.

The DEER PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter,

for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 20 inches.

BOSTON CLIPPER PLOWS, all sizes,

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CART IRON PLOWS, all sizes,

CART IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full Stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circular, giving full description of Goods

MARCUS C. HAWLEY & CO.,

108 & 110 FRONT STREET,

SAN FRANCISCO.

OIL CAKE MEAL

THE BEST FEED KNOWN FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing in description of feed so greatly promotes the health of male and female stock, and we urgently request all our customers in the dairy business, raising and fattening stock, or growing, to give it a trial, feeling confident that they will find it of very great value. By those who have used it, they ought, ONE pound is pronounced to be equal to two pounds of Corn Meal, and in the United States Government Report of the Department of Agriculture for 1865, it stands in the following relation to other feeds as to the percentage of food produced from a hundred pounds of feed, viz: Indian Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 18 per cent; Oil Cake Meal, 22 2-100 per cent. It is also a valuable property to all stock as a stimulant to sudden change of weather or over-driving. For so equal

For MILK COWS it is particularly valuable, increasing the quantity of milk and preventing a milky to a greater extent than any feed known. A suitable quantity for them at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other feed generally mixed with the meal of bran, clover, roots, or any kind of any kind. It improves it to make it for six or eight hours, the effect being to increase its bulk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP GATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other food and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for horses subject to the Rheum or Rheumatism, and greatly promotes the cleanliness and symmetry and firmness of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton or so promotes the growth of wool. A small quantity given to chilled Cattle or Sheep will keep them alive and greatly increase their warmth and vitality.

At present price (\$30 per ton) it is the cheapest feed market. It is now sold in New York at \$40 per ton, and at \$50 per ton in England, where it has been known for long time to be in every respect the most profitable feed known for stock of all kinds—on one being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manufactory, King Street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET, Sacramento.

WALTER BROWN & SON

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Commission Merchant,

26 and 28 Park Place,

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Consignments Solicited, and advances made if required. 1-22-14

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COOPERS.

All kinds of Cooperage on hand and made to order on reasonable terms.

REPAIRING NEATLY DONE.

112 and 114 Jackson St.,

Between Drumm and Davis, 39-40 SAN FRANCISCO.

Standard Dundee

GRAIN SACKS

22x36--Hand-Sewed--Extra Weight,

FOR SALE IN LOTS TO SUIT, BY

ROSS, DEMPSTER & CO.,

39.21 105 and 107 California Street.

Valuable Tide Lands.

ONE THOUSAND ACRES of very Valuable Tide Lands, all well located and can be securely Leased or made ready for cultivation at a very moderate cost.

This land is near to tracts of upland suitable for growing, and for the Building, so as to make a good farm. This also can be purchased at a moderate cost.

The past year fine Grain, both Wheat and Barley was grown upon this land, of which samples can be seen at this Office, this is proof of the value of this land.

Other Crops beyond the past Season. Vegetation of all kinds produce large crops, and even when planted late they produce abundantly.

This tract of land is worthy of special attention of any person who wishes a good bargain as it will be very reasonable if applied for soon.

These lands are now being fully appreciated, and are considered as among the best lands of our State, and a few years will be held at very high figures.

Persons wishing to buy can learn all the particulars and prices by addressing S. D. S. at CALIFORNIA FARMER'S Office.

Office, 105 and 107 California Street.

Horticulture.



HYACINTHS.

[The following Chapter on the Cultivation of this beautiful Bulb is given by the well known Florist "Vick," of Rochester, N. Y. These directions should be carefully observed.—Ed. F.]

The Hyacinth is one of the most beautiful and fragrant of the Bulbous Flowers, and particularly desirable for house culture. Even half-a-dozen grown in pots and flowering during the winter, will afford more pleasure to the "loved ones at home" than the same amount of money spent in any other way. With how much pleasurable anxiety they watch the shooting forth of the bright leaves, the rising of the stately columns while the opening of the first bud makes a joyful thanksgiving of the most dreary winter's day. A very small pot will answer for the Hyacinth. Some prefer to plant three or four in a large pot, and this will make a very pretty ornament. Cover only the lower half of the bulb with soil, press them down until they are nearly covered, then water until the soil is moistened thoroughly, and set the pots in a cool, dark cellar. The roots will there form, with but little growth of top. Here they may remain for several weeks, and a pot or two at a time can be taken into a warm, light room, for flowering, a week or ten days apart, and a succession of flowers obtained during most of the winter. When Hyacinths are planted in the garden, and well covered, the roots get a good start in the fall and winter, and it is very important in flowering them in the house that a growth of roots should be first encouraged in the way recommended. When placed in glasses of water for flowering, the base of the bulb should not quite touch the water. Fill the glasses with well water, and as soon as the flowerbuds appear, sprinkle the sprinkle frequently with rain water. Set them away for two weeks in a cool, dark room, until roots are formed; then remove to a light, moderately warm room, and give plenty of light and air. Keep Hyacinths in the coolest room you have, anything above freezing will answer, and near the light. Flowers of the Hyacinth are often ruined by bringing them into a very hot, dry unsanitary room. Our plan is to keep a stand containing our stock of Hyacinths in the parlor or hall, which is kept most of the time but a few degrees above freezing. From this room they are taken as needed—one or two of each color—to the sitting-room, or the dining room, for special occasions, but always returned to their cool quarters for the night. By this method they not only flower well, but keep in bloom a long time. Change the water occasionally, if it becomes discolored. The choice named varieties grow best in glasses and pots, and single are more reliable than double sorts for house-culture, while they are in every respect as desirable. Some of the double sorts do well in the house, and when the selection is left to me I will try to please.

Hyacinths should be planted in the garden, in September, October or November. For beds of early flowers on the lawn, nothing excels the Hyacinth. Where beds are small and so near together that they can all be seen at once, it is well to fill each one with a separate color. Hyacinths flowers may be cut freely, without injury to the bulb. Indeed, all flower stalks should be removed as soon as the flowers begin to fade. In about five or six weeks after flowering, and when the leaves are becoming yellow, the bulbs may be taken up, dried, and packed away in paper bags or boxes, for planting again in the fall. If the beds are needed for other flowers, as is generally the case, the bulbs may be removed in about two weeks after the flowers have faded. In this case, after removing the flower stems, if this has not been done before, lay the bulbs on a dry bed in the garden, and cover them with a little earth, leaving the leaves exposed. Here they can remain until the leaves have ripened, when they are ready to be packed away for fall planting, or can remain where they are until needed.

FREEZING OF SAP IN THE WINTER.

A remarkable paper has recently been contributed to a German magazine, by Prof. Mohr, showing not only that the sap does not freeze in trees and plants which live through hard winters, but also the reason why it does not freeze. He says that though it is true, water as we generally see and understand it, freezes at thirty-two degrees, it does not do so when its particles are finely divided. Tropical plants have large cells, and these are the ones in which the sap freezes; but in plants with very small cells in which the liquid particles are finely divided, there is no freezing of the liquids until after the structure has received injury of some sort. This is true he says of insects and insect pupae. They never freeze; but cut one apart, soon after the humors solidify, and on thawing life dies.

SOAP WASH FOR FRUIT TREES.

The beneficial influence of a weak alkali wash upon the bark of fruit trees is of long-standing acknowledgment. Its action is in expansion of the pores, while at the same time it is destructive of all animal life, sporadic or otherwise. Writers or theorists differ as to the best time to apply it; but we have always found that if good common soap be used in preparing it, the time of application is always good. And now for the preparation. If you use purchased potash, reduce it so that you can bear your finger in it half a minute or more without a tingling or sore sensation. If you can obtain good soft soap from the refuse grease and lye of ashes saved up dry, then take it and reduce it (the soap) down, not to a suds, but so that it will not beropy when used by a soft whitewash brush. Use it freely, and it matters not materially just when, but say now, and any time most convenient until 1st of July; but after that time it is perhaps better to wait till the next year.—*American Farm Journal*.

The more rare a man's qualities are, the more he will be found full with—just as a diamond is always more noticeable than just one brick.

PLANTING FRUIT TREES.

Whether spring or autumn is the best time for planting fruit trees, is a vexing question. How it may best be done is of most importance. Many think the question of expense settled by the cost of the trees in planting them, is making a great mistake.

Nothing that is worth doing at all is worth doing so well as planting fruit trees. Wherever a tree is to be planted the soil should be enriched to the depth of at least two feet, and not less than six feet across. This preparation should precede planting at least a month. No raw manure or other substance liable to ferment while decomposing, should come in contact with the roots. Don't hesitate to postpone planting one or two years, in order to make thorough preparation. This is the way to get fruit quickly. Apple trees properly planted often bear in four years, and pear trees in six; and they never die prematurely, as do thousands planted in the slovenly fashion that prevails.

The scarcity of trees, for a few years past, has stimulated propagation to an extent that we fear will lead to low prices, and this in its turn to excessive and careless planting in the future, as in the past. Let us respect the feelings of our children's children, and in their interest as well as our own, "turn over a new leaf" in the matter of planting fruit trees.

[The Pen and Plow thus speaks of Tree Planting—their general plan is correct in California, however, Trees should be planted in early autumn as soon as the leaves drop.—Ed. F.]

The Louisiana Sugar Bowl says: the orange crop will not be equal to that of some former years. According to the *Plaquemines Sentinel* the crop will be unusually fine, a "superb yield."



THOS. A. GAREY'S

Semi-Tropical Nurseries.

SA PEDR STREET.

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 265,

THOS. A. GAREY,

Proprietor.

LOS ANGELES, CAL.

Send for Price List.



Ornamental Trees,

A BARGAIN.

The Undersigned desirous of giving his entire time and attention to his Apiculture, and to confine his entire attention to the care and culture of his Bees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

—AT—

GREAT BARGAIN.

As he is determined to close out all his Trees this Autumn the following are now offered at very low rates:

5,000 to 8,000 Locust Trees, from 1 to 4 years old,
8,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form
4,000 to 6,000 California Walnuts from 1 to 3 years old,
1,000 Circassian Mulberry Trees—very fine
500 American Black Mulberry, the trailing species—the Fruit being very superior, the Trees great bearers.

Purchasers wishing any of these Trees, are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold.

Address, J. S. HARBISON, Apiculturist, SACRAMENTO.

Or OLE GOODRICH, Riverside Road, 3 miles below Sacramento. 40.3



The Fourth Number of VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 6 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 200 Illustrations, and a beautiful colored plate. Address, 39 23 JAMES VICK, Rochester, N. Y.

TREES,

PLANTS & BULBOUS ROOTS

For AUTUMN of 1873.

Ellwanger & Barry offer to Planters and Dealers the largest and most complete stock in the country of Standard and Dwarf Fruit Trees, Grape Vines, Small Fruits, Ornamental Trees, Shrubs, Evergreens, New & Rare Fruit & Ornamental Trees, New & Rare Green & Hot House Plants, Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt attention to all inquiries. Descriptive and Illustrated Price Catalogue sent prepaid on receipt of Stamp, as follows: No. 1—Fruit, 10c. No. 2—Wholesale, (Just Published), Free. No. 3—Bulbs, Free. Address, Ellwanger & Barry, Established 1840, 39 24 Mount Hope Nurseries, ROCHESTER, N. Y.



Thirteen First Premiums

RECEIVED IN 1867 & 1868.

FOR THE BEST

WHITE AND RED WINES

Gold Medal Awarded

BY THE STATE AGRICULTURAL SOCIETY, 1867

Silver Medal

BY THE MECHANICS FAIR, 1868.

FOR THE BEST SPARKLING WINES.

LANDSBERGER & CO.

30-12. 423 to 428 Jackson Street.

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The Orleans Hills Vinicultural

Association,

Sacramento, California.

Messrs. Pellett & Carver,

ST. HELENA, CALIFORNIA.

Wine Cliff Vineyard,

BURRAGE & TUCKER, PROPRIETORS,

NAPA, CALIFORNIA,

And many other Vineyards throughout the State.

SOUTHERN REFINING COMPANY,

LOS ANGELES, CALIFORNIA.

Potrero Distillery Company,

SAN FRANCISCO, CALIFORNIA.

JAMES HENNESSY (established in 1873,) COGNAC, FRANCE.

On hand, and for sale, in Wood or Glass, in Lots to suit the Trade.

Dry White Wine from Mission, Reliance, Orleans, Chasselas, Fontainebleau, Gray Malvoisie, Berger, Zinfandel, Muscatelle, and White Muscat of Alexandria Grapes. Dry Red Wine from Mission, Zinfandel, and Malvoisie Grapes.

CHAMPAGNE.

Port, Angelica, and Sweet Tokay, BRANDY, VINTAGE OF 1871, 1870, AND 1862.

Pure Spirits from Grapes, Wheat, and Corn. JAMES HENNESSY'S BRANDY, in brand or Duty Paid.

J. M. CURTIS:

Wine and Spirit Commission Merchant, No. 434 Jackson Street.



Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE, 39.17



SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Ton. For one Ton and upwards Four Cents delivered on board the Cars at Nord.

Orders addressed to Gen. F. Housa, Chico, or Wm. Van Woert, Nord, will receive prompt attention. The peculiarities that recommend the "PRIDE OF BUTTE" to Wheat Raisers are its great prolificness, small amount of Seed required, short, stout straw adapting it to rich lands and Summer-fallow. For quality and quantity of Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize. The Flour made from it also won the Premium.

WM. VAN WOERT,

Nord, Butte County, Cal.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free—at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, or shall be glad to see them at our Reading Room, always open and free to all.

THE GERKE WINE.

The Product of the Celebrated Bosquejo Vineyard, Located at Vian, in the Foot Hills of Tehama County.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that which is now offered being the vintage of 1866.)

And in order to safely guarantee its purity, is sold only in Bottles bearing the Trade Mark, H. G. upon the Label.

PORT, SHERRY,

MALAGA,

REISLING,

MUSCATEL,

ANGELICO,

OLARET

are also Products of the same Vineyard, and sold in any desired quantity.

Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

The Wines from this Vineyard are pronounced by competent judges to be the best brands of California Wines.

HENRY CERKE,

418 and 420 Market Street, Cor. Sutter,

San Francisco, Cal. P. O. Box 934.

GEO. HANLIN, Manager. 38.21

ALEXANDER EARLY PEACH

Probably no peach ever before claimed the attention of the public which was possessed of so unusual a promise of combined excellence and earliness as this.

It ripens three weeks in advance of Hale's Early.

The *Prairie Farmer*, in issue of Aug. 3d, 1872, describes it as "possessing the good qualities that all fine peaches should have viz.: Large size, attractive to the eye, pleasant to the smell, and agreeable to the taste."

"Chas. Downing says: 'It is very handsome, the flavor rich and good, flesh thick and firm, will carry well long distances to market.'"

The editor of *The Fruit Recorder* says: "We believe it one of the greatest acquisitions in the peach line, ever introduced."

Wm. H. Prestello, of Bloomington, Ill., Fruit and Flower Artist, says "that he is satisfied it is one of the earliest and best of peaches," and that "there is not one who speaks of this magnificent peach that does it full justice as to its beauty of color. It is of a deep maroon shade, covered with the richest tint of crimson and BEAUTIFULLY DARK STRIPED—something very singular in a peach—changing towards the light side to a rich orange color."

Owing to the extreme severity of the past winter our stock of trees is quite limited. These we offer, carefully packed and delivered at express office here, as follows: 1st class trees, one year from bud, (with branches out back,) at \$5 each.

Dormant buds, i. e., budded stocks, six for \$5, or fifteen buds by mail for \$5: No orders taken for less amount than \$5. Remit by Post Office order or draft. We also have a good assortment of other nursery stock. Send for catalogue. Address,

J. CAPPS & SON,

39.23 Mt. Pleasant, Logan County, Ill.

G. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandy, Port, Sherry, Angelica, Etc.

Northwest corner of Battery and Pine streets, SAN FRANCISCO



HOAG & CO.,

General Produce.

COMMISSION MERCHANTS

NO. 200 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco.
H. M. WILLIAMS & Co., Eureka, Humboldt Bay.
CUTLER & BUCKNER,
BANK OF SONOMA COUNTY, Petaluma.
J. G. WICKHAM & Co's BANK, Petaluma.
BANK OF SAN DIEGO, San Diego.
Cash advanced on Consignments and on Property in Store. 38.13



PURE

ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN BEE, raised and grown by the undersigned and reared in the HARBISON "PATENT HIVE."

We can supply to the extent of 300 Good Swarms. These Bees require less care than any other Bees known, and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the "Aplary" also, and see the real numbers of Bees at work, wherever there is a Flower there will be found the "Bury Bee" at work.

Address J. S. HARBISON,

40.4 Sacramento.

COMMISSION

SALES-ROOM

—AND—

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles or merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent, together with the cost of packing, freight, drays, etc. Orders should include a satisfactory reference or the Cash; or bills could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business, and we know we can satisfy all who may entrust us with their favors.

☞ We particularly call attention to the following:

THE POTATON PLANTER,

JEBB'S PATENT CHURN,

CHEESE CURD CUTTER,

PATENT WEEDING HOE,

WITH OTHER VALUABLE IMPLEMENTS.

☞ Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS.

Also,

TOBACCO SEED.

COTTON SEED

COFFEE SEED.

TEA SEED

THE GREAT VARIETY OF

FIELD, GARDEN, FLOWER,

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

of the best kind

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care, where they always can be selected.

Any one desirous of having their Garden look gay through out the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and best system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE

CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the CENTURY PLANT and supposed to bloom only once in a Hundred Years is the *Agave Americana* or American Aloe, and is one of the most conspicuous and most desirable plants for position in a large circle or front of a large border or in Parks at stated distances, in such places this plant, with Palms, Yuccas, Dracenas and a few of this character give to fine grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to their value.

We can offer fine large plants of the Agave at from 60 cents to \$1.50 and so securely packed as to go safely any distance, they can be shipped now or later in year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to.

WARREN & CO.

SEEDS AND PLANTS BY MAIL.

During the last Session of Congress a bill was passed which curtailed very much the sending of Seeds and Plants by mail as it changed the Law which allowed sending packages of four pounds, and restricted it to parcels of only 16 ounces. This act was so universally condemned that demonstrations and Letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, &c., at the old rate of 8 cents per pound.

RATES OF POSTAGE.

For Packages of Four Ounces,	2 cents
" " " " " " " "	4 "
" " " " " " " "	6 "
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" " " " " " " "	32 "

It must always be borne in mind by all who send Seeds or Plants by mail, that every package must be done up securely and every package Seeds, or Plants must be prepaid, those going in Newspaper Mail.

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they can show WRITTEN AUTHORITY FROM US.

THE CALIFORNIA FARMER, SAN FRANCISCO.

THURSDAY EVENING, NOV. 6, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are open for use on the tables for use. A Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiousities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. Advertisers the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

J. M. PETERSON & Co., 10 State Street Boston 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall call their attention to such articles in each issue of our journal, to which we would direct their special attention.

Homoculture No. 2, Received and will appear in our next—Reports of Fairs—More reports of Fairs will appear in our next, necessarily delayed for completion of Statistics.

Books Received.

The following Valuable Books received, "Monopolies, and the People," by D. O. Olund, Esq., of Muscatine, Iowa, a handsome bound volume, the Third Edition.

This volume enters fully into all the great questions of the day in all their various phases, as agitated now all over the Union, as connected with "Railroads," "Land Grants," "Credit Mobilier," the "Senatorial and Congressional Wrongs," &c., &c.

The volume has much that is very important to know on these subjects, and is therefore Dedicated to the "Patrons of Husbandry."

We have received the Bound Volume of Agricultural Reports for 1872 from the Department at Washington, D. C., for which we tender our thanks.

Received the Reports of the Agricultural Department at Washington, for which we return thanks.

We have received several valuable Statistical Reports, with tables, from B. B. Elliot, Esq., of the Bureau of Statistics, to whom we return thanks.

We acknowledge valuable documents from the Signal Service Department, for which we return thanks.

We have the Annals of the "Lyceum of Natural History" of New York, received from that Society—a very valuable Publication, for which we tender thanks.

We acknowledge receipt of the Address of Hon. M. P. Wilder, before the American Pomological Society at Boston, at their late Grand Exhibition, of which we shall soon give full report.

CATALOGUES RECEIVED.
We have the handsome Illustrated Catalogue of Crescent Hill Herd of Short Horn Durham Cattle, of Plainfield, of Hendon county, Indiana, with superb pictures of his famous Herd of Durham.

The Catalogue of Randolph Peters, Esq., Wilmington, Delaware, of Nursery and Garden Plants.

The Catalogue of A. E. Barnard, Esq., of Harlem, Holland, of choice Dutch Bulbous Plants.

The Catalogue of Wm. Boyce & Co., of Glasgow, Scotland, Nursery and Seed Store.

The New Catalogue of M. Gray, Esq., of this city, the Musical Warehouse, 615 Clay Street.

EDUCATION.
We have received from the Educational Bureau, at Washington, "Circulars of Information," being a volume with lists of Authors of Learned Societies in the United States, with Addresses on Education, by whom delivered, and the Theses, with much other valuable information—a very valuable volume.

OUR ANNUAL FAIRS. THE SAN JOSE FAIR.

In our Reports of this Fair some notes we had taken of articles exhibited were then mislaid—we now complete them.

A very fine Painting by a young Artist, Marius Dallgreen, a fine view of Santa Clara Valley, from "Penitencia Hills"—this was the first effort of this Artist at Landscape Painting, and was highly applauded, we learn since that it was sold at \$600—to a citizen of that county.

W. Higginbotham exhibited a handsome collection of Skein Silk made in San Jose, ready for dyeing and weaving—a very creditable collection.

A collection of Wines was made by Ohas. Le-franco, a well known Vineyardist and Winemaker, which was a very creditable exhibit, White and Red Wine, Port and Sherry, with superior Brandy. Wines were also exhibited by S. P. Stockton and by D. M. Harwood both Red and White Wines and Port, but as this Journal has often said, there is not care and attention enough paid in the country to making Good Wine, bad casks, bad fermentation, and bad corking, spoil about one-half the Wine made, as we were invited to act with the Committee, we could not notice these defects, it would be far better for those who are not Masters in the Science of Wine Making to sell their grapes rather than attempt what cannot be well done.

RAIDERS.

Wm. Stern made a fine display of Saddlery, Harness, &c., Home-made and Imported.

H. Messing made also a fine display, Saddles extra good, also superior Harness, and this made here—all California work, the Pads of the Saddle entirely new design, made to meet the form of the horses back, a Set worth \$350.

This Firm exhibited a Saddle owned by Gen. Smith, made in Mexico, Silver and Gold mounted, cost \$600—only for exhibit, the work of the Firm is worthy of special notice.

W. Steiger exhibited a large collection of Pottery Ware, of superior make, Flower Pots and Vases, Jugs, Pans, &c., all of superior make and finish and very creditable.

Kelley's Grain Litter—a fine implement, shown by the Inventor.

L. S. Scott & Co., exhibited a Self Feeding Attachment for Thrashers.

M. O. Hawley & Co., a Sharpener for the teeth of Mowers and Reapers—a valuable invention.

The Babcock Fire Extinguisher of several sizes, with Hook and Ladder complete. This is one of the Great Inventions of the age, and fast coming into use over the State.

There were several lots of Poultry, and of good strains, the Light and Dark Brahmas with Buff Cochins, Bantams, &c., the exhibitors were Mrs. Thos. Blake, Mrs. Braltee and others.

J. Condy, of Stockton, exhibited a Grain Sacker, a Patent Invention, showing one sack filled by hand 144 lbs.—one by machine 150 lbs., Sacks of same size—thus a great saving in Sacks on a large farm of ten per cent. or one thousand Sacks less to purchase in every ten thousand.

THE VEGETABLE WAR.

Bring along your vegetables from the country, now is the time for all who grow Cabbages, Turnips, Cauliflowers, to make them pay well for the growing.

The Vegetable War now carried on by the Italian Vegetable Growers against our City Government will awaken an interest among our American Growers we hope, and incite them to a greater industry in this Department of Agriculture.

While we are an earnest advocate of Freedom for all the avenues of honest labor we feel deeply mortified at the fact that all the avenues of this trade is controlled thus by others than American Citizens, and we can also state that the Fish trade and the Fruit Retail trade is also almost wholly carried on by others, not American, and thus a very profitable and money making business is controlled, and in occasions like the present, can be turned against the Citizens to their great detriment.

Why is this? Are not our American people as capable of these employments, or are they not as willing to work—their answer settles the question.

At all events let our Vegetable Growers on the "Sacramento River" and the "San Joaquin" now send in all they can, establish new sources of trade, and keep them by earnest and industrious labor.

THE NEW RAILROAD OFFICES.

The New Building erected by the "Central Pacific Railroad Corporation," for all the Offices of that Company and also the Southern Pacific Road, as well as this City Railroad Co., together with "Headquarters" for every Department of this great Enterprise, is now open and fast filling up with the officials to each of the Departments.

The Building is one of immense proportions, a grand and solid structure, of handsome style, chests, without display, and finished and furnished with strict reference to Business.

The Building is of Brick, the Door and Window Caps and suitable ornaments of the "Fresno Style," which give it an additional set off, and shows well. This Building is one of the most solid and best constructed in our city, and when all the Officers and Contractors are on Duty, hold into Hundreds of Rooms over Two Hundred persons as attaches of this Grand Corporation.

SALES OF WOOL—HIDES AND PRODUCE.

The sellers of these productions are, and should be desirous of realizing as much as they can for these articles, and therefore wish to place them in the hands of Intelligent and Eminent Agents to realize these results.

Messrs. Hoag & Co., on Davis street whose Card appears in our Columns, by their experience and knowledge of the markets are a Business Firm to whom we can commend all who have such produce to sell, and who will make quick sales and quick returns.

THE MEDICAL COLLEGE GRADUATES.

The Commencement Exercises of the Medical Department of University College was held on Tuesday Evening last at the Calvary Church, which was well filled with the friends of the College and the Pupils especially the Graduating Class of Twelve. Dr. Henry Gibbons, Jr., Presided with dignity.

The Exercises were opened with Prayer, after which the announcement was made of the Course of Exercises which were an Address by Dr. E. R. Taylor, a most excellent oration it could be called, from its length and its great merit, it was full of earnest appeals for the science of Medicine, and with occasional flashes of wit and eloquence, and highly applauded.

The Diplomas were then presented to the Graduates, (by the Rev. W. Alexander, M. D.) upon whom was showered many rich Boquets as they received their Diplomas.

The closing Address to the Graduates was made by Dr. J. F. Morse. This was a most earnest exhortation to the Graduates, to lead them to a high and noble sense of duty to their Profession and to the people whose Lives and Health should be entrusted to them.

The whole Address was replete with grand thought beautifully expressed and interspersed with historic sketches of eminent medical men, whose noble lives were held up as incentives to a useful life on the part of these Graduates now going forth on their great mission.

The oration was listened to with deep attention—often applauded as one of the most eloquent, Classical and Brilliant Orations ever delivered on this Coast in behalf of Medical Science. This Oration was published in the Morning Call of Wednesday, and should be widely disseminated, containing as it does so much that is Noble, Truthful and Beautiful.

During these exercises a Rich Repast of music from the Organ was given and in superb style.

After these services, the Professors, Graduates, Pupils and Friends with many invited Guests, adjourned to the Medical College, where a splendid Oration was spread in great abundance, and instead of Wines or any Stimulant, the Ladies were invited as a better inspiration—here happy hours were passed with able speeches, full of more and better fare than strong drinks could create.

It was indeed a very pleasant and happy closing to the Noble Festival in honor of "Progress" in the science of Medicine, an Honor to this Medical College, and to our City and State.

GREENBACKS AT PAR.

In our last issue we presented a plan to "Make Money Plenty," and suggested to our Business Men and Traders generally to offer to Receive Greenbacks at par for all outstanding debts of prompt payment was made.

The slight difference now between Greenbacks and Coin being not more than equivalent to what was paid to "Collectors of Bills," by such an offer on the part of Traders and Merchants a large amount of money would be thrown into circulation, as those indebted would make a gain, while the creditor would not be the loser, as the amount of Discount would only be equivalent to what was paid Collectors of Bills.

We are glad to learn that several traders design to adopt this plan and will announce it Publicly the coming week, and thus "Set the Ball in motion" for Specie Payment, as this will surely follow.

We are glad to notice that "Van Schaak & Co.," the Celebrated Cheap Store on Kearney Street, opposite the Plaza, has begun the good work, takes Greenbacks at par for all trade, and is doing a heavy business—who else will be wise?

MORE GANG PLOWS.

Still New Inventions, and New Improvements in Plows for it is the great weapon of the Farmer.

When at Sacramento recently we noted the New Patterns of the "John Deere" Moline Plows, some of very superior form and finish.

The O, 1 and C, 1½, the No. 8 and 7 all Grand Plows.

The Meyer's California Gang and Subsoil Plows, which we have before highly commended.

These Plows and others are all for sale at Messrs. Ketter & Co's, large Agricultural Warehouse. This Firm is now sending out Immense Lots of Agricultural Tools, and doing the largest part of the Sacramento Valley Trade. The Meyer's Plows have taken the four first Premiums this year, at trials and exhibition.

LOS ANGELES AGRICULTURAL FAIR.

The Agricultural Fair for the Southern District will commence on the 10th and continue 6 days. Every effort has been made to have a Grand Fair. The Managers have done all in their power, and it now remains with the Exhibitors to show what Los Angeles and vicinity can do in the cause of Agriculture and Horticulture, surely they can make a Grand display of Oranges, Lemons, Limes, &c., also of Grapes—we wait to know what they will do, only regretting we cannot be there as we intended. We wish them the most complete success.

THANKSGIVING DAY.

The President of the United States has appointed THURSDAY, NOVEMBER 27th, as a day to be set apart as a day of "Thanksgiving and Prayer" for the Great Blessings vouchsafed to our Country, and, Gov. Newton Booth has appointed the same day to be thus observed in California as our THANKSGIVING DAY.

COLD WEATHER—HIGH WINDS.

These winds, cold and damp all indicate the near approach of Rain—therefore let all be prepared, for Rains are not far off, and when they come they will come in good earnest and in full abundance, all who are wise will make early preparation for the "Good Rain Coming."

OCIDENT TRIUMPHANT.

To show how widely extended the interest felt to Occident is, we take from the Massachusetts Ploughman, one of the standard, and one of the best Agricultural Journals published in all New England, the following article headed,

GOLDMITH MAID BEATERS.

"When that best mare well known as 'Goldsmith Maid' trotted her mile, making the fastest trotting on record, in 2:17 1-4, it was thought to be about as low down in the seconds as it was practicable to go. But the ambition of men and horses seems to know no bounds, for while repeated proofs are being afforded in the East of the wonderful progress that is constantly being made in the development of the most valuable qualities of speed, endurance and beauty in the blooded horses of to-day, some astonishing records are also being made upon the Pacific slope. The wonderful time of Goldsmith Maid being then the best that had ever been made in the State, has since been held up as the standard of excellence, defying competition, until this year, when Ex-Governor Stanford's horse, Occident, was entered to trot for the \$2000 plate which was offered for any horse that would beat Goldsmith Maid's record. There were more doubts than hopes when the 'Beauty of the West' undertook the task which had been set before him, but, as if endowed with an intelligent conception of just what was required of him, and his own powers as well, he measured his strength and paces to meet the test, and made his mile in 2:16 3-4, a half second better than the previous champion. Again he was driven round just to speed him and made the distance in 2:16 3-4. The political triumph of Gov. Stanford probably never gave him half as much pride as it did to be the patron of the fastest horse in California. The honor suffered for him, and he returned the plate to be devoted again to its original use. The impulse toward the development of the maximum of speed is certainly an intelligent and a strong one in California."

We are glad to herald this handsome and just notice of our "Noble Occident," and the compliment paid to Gov. Stanford is equally just and true, he does delight in winning credit to our State for all its varied interests as he has again and again shown by his aid most generous and timely, to many of our Public Enterprises.

GARDEN CITY PLOW.

Among the many inventions in favor of that Great Implement, "The Plow" there has appeared one that comes with a New and very pleasant name, which we announce above, and indicating by its title the fact that it will so thoroughly turn up and pulverize the soil as to make it harmonize with its name, and make it a perfect Garden Soil.

This New Plow has been introduced to our Farmers by Messrs. Linforth, Kellogg & Co., the well known Hardware House on Front Street, also large dealers in Agricultural Implements of the best kinds.

We would invite our Farmers to call and look at this New Gang Plow at their Warehouses.

THE MUSICAL STREAM FLOWS ON.

So great is the demand for Music on this Coast that at Gray's Musical Emporium, Two Presses are kept constantly at work, throwing off Sheets of sweet and brilliant Music, most as fast as Hoe's Lightning Presses do their work.

As an evidence of this great demand we can say that Mr. Gray has sold from 10,000 to 30,000 sheets of several choice pieces, published by him, and these are sold to go all over the Union.

The late pieces published are, "Bess and I are Out"—a noted and popular Song.

"You may Win him Back by Kindness"—this is truly a valuable Song, sung by J. G. Russell, Esq., Music by Geo. T. Evans.

"Claribel"—A Transcription of Six Songs by "Claribel"—a very choice group, "My Gal"—Schottisch—as played by "Ballenberg," and arranged for the Piano by Louis Bodecker.

EFFECTS OF PANIC UPON LABOR.

A partial suspension of the Dover, N. H., shoe factories has taken place, owing to the difficulty in getting discounted the long notes taken. The Hopkins and Allen Manufacturing Company, of Norwich, Conn. have discharged 51 hands and brought the working time to nine hours a day. At the Taftville Company the works are run but three days a week. The Smiths Field Manufacturing Company of Hyde Park has placed its help on half-time. The blacksmiths on Hurricane Island, Me., suspended work on account of trade difficulties with their employers.—N. Y. Express.

[This is but one case in hundreds, probably 20,000 to 40,000 workmen will be discharged from the manufacturers before this Panic is over, and great suffering must be the result.—Ed. F.]

VINEYARD FOR SALE.

We call special attention to the Vineyard advertised for Sale in this number, it is finely located and offers a great inducement to any one who wishes to purchase, as it will be sold at a Great Bargain.

SANTA CRUZ FAIR—ERROR CORRECTED.

In our reports of the "Santa Cruz Fair" we mentioned the fine Drawings of "Starr King's Church," "Jewish Temple," "Tucker's Building" and "Shot Tower," and credited them to "Ohas. W. Davis, Esq.," Mr. Davis was the Contractor and Builder, the Drawings were made by other parties, and fine specimens too.

OUR VEGETABLES.

Prices of Vegetables have advanced largely at Retail by reason of the strike, but they are coming liberally from the country and it will not last long.

Neglected Coughs and Colds.—Few are aware of the importance of checking a Cough or "Common Cold" in its first stages; that which in the beginning would yield to "Brown's Bronchial Trochee," if neglected, often upon the Lungs.

TWO SONGS.

Who cannot sing 'neath a sun to cheer him,
When the world looks gray, and friends are near him!
Flowers are blooming, blithe insects are humming,
Spring may be over, but Summer is coming;
Every bird hath a tune to teach thee;
Every leaf hath a text to preach thee;
The silver-tongued fountain chants Joy's story;
Even the shadows are lit up with glory;
The raindrops fall only in shining showers,
To bless the grain-fields, or gem the bowers,
'Tis sweet, O soul! to speak in singing,
When Heaven to Earth such bliss is bringing.

But who can sing on the eve of sorrow;
Yesterday lost, and unknown to-morrow?
Night comes on without stars to light him,
The moon's astray, and the winds afflict him—
Yet he stands erect like a warrior in battle,
Fate's thunders roll, and Death's halcyons rattle,
Still his heart is warm, still his pulse beats strong,
He walks by faith, and the way is not long;
He smiles whilst he hides the wounds in his breast,
And he thinks Truth's cause is too great for rest.
He is the brave, in the night-time singing,
Though Heaven to Earth all woe is bringing.

—DONA R. M'KINNEY, in Germantown Telegraph.

OBITUARY.

"Oh God! it is a fearful thing
To see the human soul take wing!"

"Yet why should death be linked with fear?
A single breath—a low drawn sigh—
Can break the ties that bind us here
And wait the Spirit to the sky."

The records of each day are heralded with more or less calamity, and with events that carry sorrow and mourning into many fond and loving hearts. Among the numerous sudden deaths in our midst, (and there have been many), none have fallen heavier upon Parental Hearts and Loving Kindred than the sudden and fearful death of Sam. Carr, the eldest son of Prof. E. S. Carr, of the University, which occurred on the 23d ult., near Alameda.

Mr. Carr had been several years employed on the Central Pacific Railroad, and had won the esteem and confidence of the officers and all employees on the road, by his upright and manly deportment, he inherited and always bore a noble character, for generous and many qualities. His birthplace was Vermont, there his Father for years was Professor in the College of Vermont, his Parents went thence to Wisconsin, and Prof. Carr was associated with the University there, and while young Carr was a student, his Patriotism led him to go forth to fight the battles in defense of his Country, and served faithfully under Gen. Sherman through the war, and thence came to California with his Parents, and four years since became connected with the Railroad, where he served faithfully till thus suddenly called.

His death was occasioned by being caught between the cars and crushed, he supposing as they came together they were the old style of complicity, affording room to stand between them—but the cars were changed and the new, Miller Self Coupling cars came upon him, which closed compactly and his life was thus taken.

Mr. Carr was 26 years of age, a remarkable robust, strong, and active young man, bidding fair for a long life—yet, how mysterious are the ways of Divine Providence, we know not the Day, nor the Hour which calls for us.

His Parents, Prof. E. S. Carr, and his Lady, are widely known in the walks of Literature and Science, and upon them this blow fell with crushing power, in thus taking their "First Born," most but those who have all suffered can fully realize how hard such a calamity is to bear—those who have been "Where the Shot Strikes," can tell the pain and agony of the wound—all that sympathy could do was done, for every feeling heart promptly gave to these Parents and their Family—the mourning brethren tender of true sympathy in their deep affliction.

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting an exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity in our Cause and to our State, Journals that will extend California Interests and speak of our State as also deserving, will receive our first consideration.

We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our list (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interests of our State, and, as we pay the Postage his side of all we shall continue others will receive due notice of our declining Exchange.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of our Fruit at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, I shall be glad to see them at our Reading Room, always open and free to all.

GOOD NEWS FROM GOOD SCHOLARS.

[We are truly pleased to give the following very satisfactory Reply to our inquiry of the Pupils of the "School of the Holy Cross" at Santa Cruz made in our Report of the Santa Cruz Fair, in our last issue. One of the Girls of other schools answer as well.—Ed. F.]

SCHOOL OF THE HOLY CROSS,
SANTA CRUZ, Oct. 31st, 1878.

EDITOR CALIFORNIA FARMER, Sir:

In answer to your query of 23d inst., the pupils of the School of the Holy Cross, or "Fine Artists" as you are pleased to call us, wish to say we can "Make a Loaf of Bread, Roast a Turkey, and make a Pudding," and likewise Scrub a Floor.

Yours Respectfully,

ONE OF THE "FINE ARTISTS."

THE INFALLIBLE COUGH AND CONSUMPTION CURE!

As a remedy for Coughs, Colds, Soreness or Pain of the Chest, Whooping Coughs, Phthisis, Bronchitis, Asthma or Consumption the INFALLIBLE COUGH AND CONSUMPTION CURE has no equal. In cases of Consumption the patient should take in consideration the condition of the lungs. If they are too far gone, of course a perfect cure is impossible, although in many cases when Physicians have given up all hopes it has effected perfect cures. Sometimes Physicians are mistaken. The best proof of that is to try three or four different ones, and in nine cases out of ten every one of them will have a different opinion and prescribe different remedies; so before giving up all hopes give the INFALLIBLE CURE a fair trial. If there is a possibility of a recovery, the patient will not regret using the INFALLIBLE COUGH AND CONSUMPTION CURE. It acts as a stimulant and a light expectorant, but its virtue, its strength and its wonderful effect on the lungs is centered in its great healing powers, allaying irritation, soothing and healing the lungs, thereby promoting a free and easy respiration, and a permanent cure. For Coughs or Colds, Chronic, long-standing or of recent construction, the INFALLIBLE CURE is acknowledged by all who have used it to be far superior to any remedy ever placed before the public, acting directly on the mucous membrane, it cuts and loosens the phlegm, which by a free and expectoration from the lungs, relieves the patient almost immediately. Recent Colds are Cured in from One to Three days.

W. H. H. WHITE, Proprietor,
1233 Pacific St., San Francisco.

CHAS. & BRIGHAM, Wholesale Agents,
San Francisco,
For Sale by all Druggists. 40.4

THE TRAVELER'S GUIDE.
HOTELS ON THE TOURIST'S ROUTE

With a wish to promote and encourage extensive Travel over our Glorious State, we shall point out to the Traveler on the leading routes the BEST HOTELS, and most commodious and comfortable Houses for those who Journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Alameda Mines, and the most beautiful region around our city—we can truly commend them of whom we speak from personal knowledge, and shall speak of them and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.
Callaghan Hotel..... Calistoga.

BIG TREES OF CALAVERAS.

Via Western Railroad and Carriage Route.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE, ALMADEN MINES, &c.

The Anacosta Hotel..... San Jose.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.

Yosemite Valley.

Hotchings' Hotel..... Yosemite Valley.

Maria Hotel..... San Rafael.

Travelers who are strangers can rely, that at these Hotels they will ever find the best and kindest attention and court.

And will never be imposed upon by exorbitant charges.

BOUND VOLUMES OF FARMER

We are now prepared to offer the Back Volumes of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purpose of Libraries, etc.

Apply at the office.

WARREN & Co.

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A Large collection of Very Rare Seeds just received from AUSTRALIA, among them the Sweet Tree and SHRUB Seeds of Rare Beauty and Value. Send orders to

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New Advertisements.

THE CORHAM

PREMIUM BROADCAST

SEEDER
AND
CULTIVATOR
COMBINED!The Premium Corham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the State Fair at Sacramento in 1877, also at Modesto and Chico—the only places it was entered. The Corham Seeder has been awarded the highest merit that practical farmers can bestow, wherever it has been introduced. Letters from the various Agents throughout the States of California and Oregon speak of the success and the perfect manner of its working, together with the great saving of seed, time, and money in sowing and covering, even beyond their most sanguine expectations. This celebrated machine is designed to supersede all other processes of sowing and covering all classes of grain and grass seeds, as it is capable of doing a greater amount of work, and better work, with a saving to the farmer from one-fourth to one-half the ordinary expense. From many sources comes the intelligence that one of the Corham Seeders will pay for itself from one to three times the first year, and with ordinary care the machine will last for ten years. MAKE THE COMPARISON, AND BUY A CORHAM SEEDER.

Read the numerous letters from practical farmers who have used it on the Pacific Coast. Any one desiring to learn more particularly of its merits, is respectfully invited to write to any of the parties mentioned herein for such information.

CALIFORNIA AGENTS.

HARVEY, SIMPSON & CO., Tehama.
SIMON JACOBS & CO., Modesto.
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A. J. BUNKER & CO., Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
At Kellen's & Co. Ag. Warehouse,
J Street, Sacramento.

40.6

SPLENDID VINEYARD
FOR SALE!

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 9,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 25 Acres seeded to Alfalfa, and 20 Acres more of Summer Fallowed land ready for seeding.

There is now upon this place a good Dwelling House hard finished of 6 Rooms, with Kitchen, &c., a good granite walled cellar under the same, 16 feet deep—a Good Barn, a Wise House 44x22 with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmitz Improved Copper Still that cost \$1,200, a Grape Crusher, a Shed and Shop 15x20 with all needed apparatus, and Farming Tools sufficient for the place. Choice Fruit Trees enough for home use, plenty of Wood on the Farm, two fine Wells of Water and a living Stream of Water running through the land. This Vineyard is located two miles west from "Shingle Springs," in El Dorado county, only Three-eighths of a mile from the P. S. V. Valley Railroad, and is easily located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a Great Bargain, if applied for soon. Terms Cash.

Those who desire to purchase can learn all particulars by calling on the Editor of the FARMER. 40.6

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SUPERIOR

CHILI ALFALFA!!!

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Capital Represented Ten Million, \$10,000,000.

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Perfect Indemnity. Losses Promptly and Equitably Adjusted.

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"PACIFIC WAGONS,"

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69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glenn, Geo. W. Hoag, Hampton Bros, Jacinto; Hill & Knapp, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Bainch & Co., Agents for San Jose; Smith & Baxter, Agents for Gilroy; S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. I. Case & Co. 48-inch Cylinder Threshers.

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NEVILLE & CO.,

Bag, Tent, and Hose
Factory,

113 Clay & 114 Commercial Streets,
San Francisco,

Importers, Manufacturers, and Dealers in all
kinds of

Bags, Burlaps, Duck, Canvas
and Cottons.

ORDERS RESPECTFULLY SOLICITED.

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Semi-Tropical Nurseries.

SA PEDR STREET,

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern
Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 265.

THOS. A. GAREY,

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LOS ANGELES, CAL.

Send for Price List.

40.3

POSITIONS AND PLACES WANTED.

We are constantly in receipt of Letters from the Eastern States, making inquiry for Prominent places for competent persons as Head-men on Stock Raising Farms, Overseers on Ranches, Head-men to conduct a Dairy, or a large Poultry establishment. This shows that the various and large products that are shipped over the "Railroad" and by Steamers East, are attracting great attention, so much so as to induce those who feel qualified to act as Superintendents to desire to come to our State as a new field of operations.

As it is in our power to furnish both parties the Employer and Employe, with what they desire. We advise all such to make known their wishes fully and confer with us.

WARREN & CO., FARMER OFFICE.

\$10. ANY LADY OR CHILD OVER 8 YEARS of age can now learn Madame Herman's new method of making Wax Flowers for only \$2.50 by purchasing her new book of instruction and an entire set of moulds. Or her book of instructions in the beautiful art of making Follies, which is a perfect representation of the natural leaf and made without needles or scissors. Price only \$1.00. These books can be had from the author MADAME HERMAN, No. 113 West 41st Street, New York, or from the Office of this paper.

40.6



HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

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LOCAL AGENTS.

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New Advertisements.

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ALL KINDS OF SAVINGS, COMMERCIAL AND TRUST FUND DEPOSITS will be received in sums of not less than three dollars.

DIVIDENDS will be payable semi-annually, in January, and July of each year. No charges will be made for opening accounts.

Loans will be made on security of Real Estate, United States Stocks and other approved securities.

70.19.

TREES,

SEEDS,

VINES,

BOOKS.

40.1

New Catalogue Free to all!

A complete Stock of

Fruit Trees, Evergreens, Forest

Trees, Tree Seeds, Small Fruits,

Grass Seeds, &c. at

BRYAN'S NURSERIES,

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We send out Good Stock, well

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Special inducements to Nurse-

rymen and Dealers.

Bryan's Forest Trees, prepaid

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Send for Select Book List.

Address A. Bryan, Jr.,

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Pacific Ocean House,

SANTA CRUZ.

This well-known, long established, and Popular Hotel, has recently been most thoroughly improved in all its interior arrangements, newly furnished and newly furnished throughout.

Great pains have been taken to meet the wants of Traveling Public, so as to make the Patrons of this Hotel feel sure of the Comfort, and Luxuries of a Home.

This Hotel will be open all night for the convenience of Travelers.

Stages to and from all sections stop at this Hotel.

The Proprietor pledges himself that nothing shall be wanting to give satisfaction to all that visit the Pacific Ocean House.

J. H. HADLEY, Proprietor.

40.3

SANTA CRUZ.

Standard Dundee

GRAIN SACKS.

22x36--Hand-Sewed--Extra

Weight,

FOR SALE IN LOTS TO SUIT, BY

ROSS, DEMPSTER & CO.,

105 and 107 California Street,

39.41

Home Miscellany.



THE MYSTERY OF THE JEWELS.

BY JANUARY FEARLS.

Strange children of the dark and gloomy mine!
Yardward jewels, bright as Shob's eyes,
That came with colors of such passionate dyes
As rainbows can not match nor sunset skies,
Though born of darkness where no sun can shine!

Like vestal virgins, in that mystic fire
Which is the source of your effulgent rays
You offered burning sacrifice of praise
Through the long worship of your silent days.
Ere primal monsters in the bloody mire

Which reeked with slaughter did each other tax:
Or all the ugly geologic dream,
Which like some big timorous God's brain both seem
Insistent with dreadful life, on earth had been,
Or flying reptiles filled the twilight air.

O children of the mysteries that dwell
In the lone caverns of the secret earth,
Where thinking Nature brings to wondrous birth
Iron and gold and metals of great worth
What chemie marvels could your dumb tongues tell!

Ye are the dawn of the central gloom,
Flowers of the garden which no light have known,
Who had no spring, from whom no seed was sown,
But, born in blossom, bore with God alone
In the dread darkness of your living tomb.

What means your eyes, like axure all aflame?
Your supple limbs, where strange secrets hide,
As those the burning love of some dark bride
In her strong heart concentrate in its pride,
And unresisted love be not a name!

Deathless as stars, which are the flowers of heaven,
Ye float the hours centuries of time,
And shine immortal in your robes sublime,
Undimmed by rusty age or frosty time,
In that wide realm which to your rule is given.

Kings of the darkness! makers of the light!
A matchless archmage of colored haze!
Gold, purple, crimson, and compelling green,
Amro and amber, burning all unseen,
Like some cathedral window in the night.

What are ye, O computers of life?
Whence came ye? And I pray you tell me why
Your glory can not fade, you beauty die,
But last forever like the jeweled sky,
Though earthquakes rend your places in their strife!

The topaz blazing like doves' neck on fire,
Or Alpine glaciers in the sun's spirit,
Wrapped in the smoke of burning anhydrit,
And diamonds by the passionate lightning kissed,
And emerald robes in Jane's bright green attire!

I will not think that we were made for pride,
Nor yet for vanity nor covetous show,
Nor to enhance the beauty of the rose
Which, in warm gales, upon some fair cheek blows
Of lovely maiden or voluptuous bride.

I hold you dearer and far holier use
Than service to fashion's palated joys,
Or man or woman, in their senseless craze,
Such as the maddening dance or mask displays,
When impure hands your holy light abuse—

Hands all on fire with flames of loveless lust,
Whose touch doth quicken the unhalloved brood
Of lawless passions in their burning blood,
Condemning a pure thought and feelings good,
Which love celestial worship with high trust.

Ye are the kings that rule the inner earth,
A sacred brotherhood of beamless souls,
Which, while the ball in jubilant music rolls,
Bearing all mortals to their final goals,
Shall shine symbolic of eternal birth.

And whisper in the ears of passing men
The mystic watch-word which unlocks the gate
Where dwells the janitor of timeless state,
Ancient of days! to hail the good and great,
And write their names with his immortal pen.

God wrote his secrets on your burning brows,
And sealed them in the colors which He gave,
To be truth's symbol in your voiceless grave,
And speak of things which but the power to save
When lived for love which from the great soul gave.

Methinks I read thy mysteries, and find
The inspirations of your high arcane
Descending on my soul in language plain,
Illuming all the chambers of my brain,
Like mighty wings of fire upon the wind.

Ye were created for divine employ,
For glory wrought with the priests of dawn,
O grand Apocalypse of Jewels! worn
On Aaron's ephod! glittering like the morn
With truth celestial which have no alloy.

I hail ye, O ye lovers! greet with love
The glory of your beauty; and I know
That in your blood another life doth flow
Which solves the mystery of your part below—
Your forms and fable of the life above.

In part at least; part of the living dream
Which dwells within the prison of the dark,
Where brutal shapes of matter, bold and stark,
And forms celestial leave their mark,
And nothing is which it is not so seem.

—Harper's Magazine for November.

A high-school girl just graduated, said in her essay: "Let us avoid the frivolities of life and pursue the noblest ends only." The next day she was moved to tears in an agonizing attempt to decide the proper shade of blue for her complexion.

Man judges our motives by our actions. God judges all our actions by our motives.—*Dream of Rahab*

Eastern Correspondence.

A NOBLE VOICE FOR WOMAN.

At the great Convocation at Boston, October 18th, the Anniversary of the Woman's Suffrage Association, one of the largest and most respectable and influential Meetings, was gathered many of the Best Men and Women of the present times, among all the Speeches and Letters received of which there were many, we have selected one from one of the Noblest and best of Women as specially worthy of placing in our Columns in behalf of the cause.

The Letter as will be seen is from Mrs. Lydia Maria Childs, a Noble Lady, whose long life has been devoted to the cause of Humanity and the Elevation of Woman, this Lady's Name in the cause of Literature is also known, world wide.

DEAR FRIENDS:—I write in haste, and can only say that my sympathy and gratitude are always with you in the great and good mission, which you are fulfilling with so much ability and discretion. It is a source of perpetual rejoicing that souls younger than my own are putting their energies into this work, which will assuredly go on to its full completion, though I may not be here to see it.

If the question at issue were merely enlarged freedom for women it would still interest me, though far less than it now does; believing as I do that the elevation of the whole human race, the progress of universal humanity, depends upon the unqualified equality of men and women.

The present legal and social arrangements are mutually injurious to both sexes. It is always impossible for one class to keep another class in a subordinate position, without having the wrong they do react upon themselves. If noblemen stifle the souls of their serfs, they blunder the development of their own energies, and pervert their own moral natures. If the slaveholder shuts out air and light from the minds of his slaves, he not only destroys half their usefulness, but he inevitably renders dark and pettish the moral and intellectual atmosphere which he himself breathes. From the same natural law, the subordination of women to men produces effects disastrous to both.

Men in whom the traditional idea of rightful lordship over women is not softened and refined by their influences of education, become thereby brutally and arrogant and tyrannical. And even those whose cultivated natures will not permit them to exert all the power with which law and custom have invested them, lose an incalculable amount of pleasant help and companionship by the mere influence of custom, which they leave unchallenged.

As for women, I hardly dare to say how much I think their souls are dwarfed and polluted by customs which renders them puerile, dependent on the bounty of men, and marketable articles for their personal convenience. Whatever wrong the laws of men may have done them is fearfully retalliated by their weakness and frivolity, their vanity and extravagance. It is a new illustration of the old saying, that whosoever puts a chain round the neck of another inevitably fastens the other end of it upon his own. I pity men, when I see them staggering under the burden of helplessness in women, which they absurdly believe to be a regulation of nature.

I do not judge men so harshly as do some of your writers. The oppressiveness of their arrangements has been in a great degree unconscious. They have followed old customs, without passing inquire whether it would be better otherwise. And women, on their part, have done the same. They have thoughtlessly accepted the prescribed situation, and been contented to make the most of it by such little artifices and petty tyrannies as were within their reach.

To sum up all in a few words, the character of both men and women suffer immeasurably by an inequality not founded on the laws of nature, and more productive of discord throughout the whole social organization, than all other causes put together.

Go on then, my brave sisters, repeating line upon line and precept upon precept, whether men will bear or whether they will forbear. The words you are speaking are eternal truth; and scattered truth is never wasted, whether the harvest comes early or late.

L. MARIA CHILDS.

GOOD WORKS FLOW FROM LOVE.

Verily good works constitute a refreshing stream in this world, wherever they are found flowing. It is a pity that they are too often like oriental torrents, "waters that fail" in time of greatest need. When we meet the stream actually flowing and refreshing the land, we trace it upward, in order to discover the fountain whence it springs. Threading our way upward, guided by the river, we have found at length the placid lake from which the river runs. Behind all genuine good works and above them, love will, sooner or later, certainly be found. It is never good alone; uniformly, in fact, and necessarily, in the nature of things, we find the two constituents existing as a complex whole, "love and good works," the founting and the flowing stream.

TO KEEP GRAPES FOR HOME USE

Gather the clusters carefully, remove all the grapes that are not perfect, then fasten the clusters to poles about eight feet long, and so stout that they will not bend under the weight. Suspend these poles by strings fastened to the ceiling of a wood loft or chamber where there is a complete circulation of air, and let them remain until there is danger of a frost. Pack for winter in dry sawdust in shallow boxes, and put them in a cool but dry cellar.

Grapes contain the same malic acid as apples; and have also some proportion of tartaric acid, and the bluish-gray potato, which makes them exceedingly healthful.

WIVES WHO HENPECK.

We do not write in regard to the class of husbands usually termed henpecked, like Cooper Apjohn and Mr. Wilfer, who have no minds of their own; for it needs a strong minded woman, like the severe Mrs. Wilfer or the robust Mrs. Apjohn, to supplement such a nature. But we refer to those men who are perfectly willing and able to govern their own households, but who are blessed with partners whose continual pecking no amount of severity, firmness, forbearance, or tenderness can subdue.

First, there is one class of women who make so much of neatness and cleanliness, that it comes much nearer being a vice than a virtue, and is removed to the farthest extreme from godliness. We know of a poor farmer who hardly dare enter his own kitchen, lest some undiscovered spot of mud on his boots should soil his wife's immaculate floor; and if such an unfortunate event ever happens, he is made to feel the full behooveness of his crime for one day at least. If he should chance to retort that the spot of mud was hardly worth a fuss made over it, immediately his response becomes more irate than ever, and by her unending nagging actually drives him from the house to the society of his cows and horses, which at least possess the negative virtue of being dumb.

Another class of women use as a very sharp bill for husband-pecking their own assumed worthlessness. If their husband's finances will not allow the purchase of a new black silk at once, according to their own account they had much better never have been born, for "They are of no use in the world now; they are not able even to please their own husbands. Perhaps once they could, when they were young and pretty, but now they are old, and no one cares for them." The poor husband, perhaps, protests that it is not so, and that he loves her more than ever. She is inwardly delighted, but only protests the stronger, and in still more broken and fearful accents, that she is utterly useless. "Things were different when she was in her father's house," she says, "and she could have as many dresses as she chose, and people seemed to care something for her."

Possibly the distressed husband has learned the folly of combatting the opinions of his better half at such a time, and only makes hastily attempts to smile, but in reality he doesn't feel the least bit amused, or perhaps merely reads his evening paper in silence. But this is worse than his former protests, for now he hears nothing but "Oh, the dreadful man, who enjoys seeing his poor wife miserable; but he'll be sorry for his treatment some day, when she is dead and gone, and he don't have anybody to do his drudgery for him." And the last and most effective peck is given by a freshet of tears.

Another class of wives who belong to the genus henpecker (we wish we could find some euphonious Latin name, but no other will express their character), are sure to have a fit of sanctimonious silence come on, if any of their views or wishes are disregarded.

Possibly their good husbands though meaning to do right in general, have some bad habits, such as the use of tobacco. Of course, they give their advice very freely on this subject, and if it is not at once followed, forthwith they take it as a personal affront, and go about the house with an air of the most resigned meekness on their face, saying, nothing in words, but with their lackadaisical looks, continually remarking, "I will wear myself out in working for my husband, even if I am not appreciated, and he does not care enough for me to leave off his tobacco." And then they seize the broom or rolling-pin with unwearied and unnecessary vigor, and would actually rejoice to have a slight headache or backache, as a result of these unusual exertions, for the express purpose of more perfectly acting the martyr, and thus pecking their hard-hearted husbands in a tender spot. If, during one of these silent moods, he should ask her advice on any subject, he will either begin to think that he has married a deaf mute, or else he will be told that of course it is of no use to ask her since her advice is of no value.

We are well aware that some of the best women in the world occasionally fall into these sloughs of despond, when they have the "nerves," as Grandmother Rigglesty expresses it, although they may have no other interest than their husbands' at heart. But there is another class who continually use these tactics to accomplish their petty purposes.

To these we wish to whisper a very few words. These little ways and means which you imagine will irritate only for a few minutes at the most, will do much more than you suppose, and will make a wound which a lifetime will not be able to heal.

Better let your kitchen be dirty, my dear madam, from Monday morning till Saturday night, and say nothing about it to your careless husband, than to allow the cleanest floor in the world to stand between you and his love.

Better wear calico all your days, if your husband's means can afford no better, than to have the stiffest of black silks figure in a divorce case.

Better allow your husband to sit in the front parlor, in his shirt sleeves, with his feet on the mantel-piece, than have a husband only in name, and lose his esteem by continual bickering and henpecking!

Daughter—"Well, to tell the truth, I do not think much of the close of the sermon."

Father—"Probably you were thinking more of the clothes of the congregation."

Wives are presumptuous creatures. They always ask for a lock of their lover's hair before marriage, and take it without asking afterwards.

A gentleman having his hair cut, was asked by the garrulous operator: "How he would have it done." "If possible," replied the gentleman, "in silence."

THE RIVAL BABIES.

SCENE AT A MISSOURI FAIR.

From the columns of the St. Joseph (Mo.) Herald we extract the following account of the scene at the award of the prizes for the finest Babies on Exhibition at the County Fair:

"This, the event of the week which has been looked forward to with the greatest interest by fond mothers and doting fathers, took place yesterday afternoon. It is quite the thing for reporters to describe these exhibitions as something of a rather ridiculous nature, but to our minds there has been no more pleasing and interesting occurrence during the week. We confess to a liking for the man and woman who are proud of their baby, and are not ashamed to own it. Such scenes are attended with more or less ludicrous circumstances, and the one yesterday was not different from the rest. "Our reporter" met with some laughable adventures while going through the crowd to obtain the names of the little innocents who were in contest for the prizes. A beautiful baby carriage valued at one hundred dollars, offered as a special premium by O. Kessler & Co., for the best looking baby under two years of age. One little cherub gave him a smart cut across the face with a riding whip it held in its tiny fist, and more than one pair of chubby hands fastened in his whiskers as he ventured to be too familiar. The little ones were evidently not posted in regard to the license that is allowed the representatives of the press on these special occasions.

We were somewhat surprised to see the number of entries in this department. All day, and even after the exhibitors had been called into the arena preparatory to the exhibition, the clerks were called upon to record arrivals, and when at least the hour was announced, fifty-seven names appeared upon the list. All were dressed in their prettiest, and when the mothers took their places in the amphitheatre, with the little ones in their arms, we venture to say that a sight as beautiful as was ever seen preceded itself to the mass of humanity that had gathered to witness it. Much difficulty was experienced in finding a sufficient number who would consent to act as judges. It was first decided to submit the case to a jury of old maids, but a thorough search disclosed the fact that there was no old maid in St. Joseph. Next a committee of old bachelors was suggested, but only one could be found, and he declared he would leave town and never return if his name was ever mentioned. He was ashamed that he was an old bachelor, and the present exhibition made him remorseful also. Then the feasibility of a committee of ladies was discussed, but each one declined to wound the feelings of fifty-four fond mothers by giving a decision in favor of any particular one.

So there was nothing left to choose from out the Benedicts. Now, every married man on the ground knew what it was to brave the fury of one woman, and it was a long time before three could be found brave enough to face fifty-four. At length three were found, however, who consented to undertake the delicate task, on condition that the police force should be doubled, all rocks and other missiles removed from the ground, and every avenue of escape be left unobstructed. Their names should be given in Scotch granite, and held in everlasting remembrance as examples of the most sublime courage the world has ever seen.

MAN AND WIFE.

Thomas Jefferson wrote the following excellent advice. There is much human nature and good sense in it:

"Harmony in the married state is the very first thing to be aimed at. Nothing can preserve affection uninterupted but a firm resolution never to differ in will, and a determination in each to consider the love of the other of more value than any object whatever on which a wish has been fixed. How light, in fact, is the sacrifice of any other wish when weighed against the affection of one with whom we are to pass our whole life! And though opposition in a single instance will hardly produce of itself alienation, yet every one has their pouch into which all these little oppositions are put; while that is filling the alienation is insensibly going on, and when filled it is complete. It would puzzle either to say why, because no one difference of opinion has been marked enough to produce a serious effect by itself, but he finds his affection wearied out by a constant stream of little checks and obstacles. Other sources of discontent, very common indeed, are the little cross purposes of husband and wife in common conversation, a disposition in either to criticize and question whatever the other says, a desire always to demonstrate and make him feel himself in the wrong, especially in company. Much better, therefore, if our companion views a thing in a light different from what we do, leave him in quiet possession of his views. What is the use of recollecting him if the thing be unimportant; let it pass for the present, and wait a softer moment and more conciliatory occasion of reviving the subject together." "It is wonderful how many persons are rendered unhappy by inattention to these little rules of prudence."

A Western paper says that the first duty of the Grangers is to extinguish every operator who begins his speech with "I have not the good fortune to be a farmer; but I always felt the most profound interest in the truly noble and predominant pursuit of agriculture, and never was that interest greater than now."

A rusty-looking agriculturist entered a newspaper office, recently, and after looking around earnestly enough to elicit an inquiry as to his business, said, "It wasn't nothing much; but he had left a big cucumber here in the fall for a notice, and thought, as how he was in town, he might run in and get it, if the editor was through with it."

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38-10

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The Terms and Sessions (of which there are two) general agree with other Boarding Schools in the State.

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REV. A. VARS, S. J. President

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting to exchange. We shall always do so if possibly assist with our now very large list, but in order to convince us that we should do so, we must in those Journals some evidence of reciprocity. Our Cause add to our State, Journals that will tend California Interests and speak of our State as deservor, will receive our first consideration.

We desire first to extend the information of our now rapidly growing State everywhere, and bring the best class of people to reside with our "Golden Land" and those Journals that give a kindly word for us or our State we shall exchange with in preference, other things being right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large, and all, we shall be compelled to discontinue some of those Journals which are not in our list (no matter how valuable otherwise).

We have exchanged for a long time with Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and, as we pay the Postage his rate, all we shall continue, others will receive due notice of our declining Exchange.

Miscellany.

THE THING NEEDED.

A French actress once said:—"If I am only a vulgar and ordinary woman during twenty of the four and twenty hours of the day, then, what effort I may make, I shall only be an ordinary and vulgar woman the remaining four. How imperative is it that those who personate the higher and purer forms of female virtue should bear within themselves the influx of the qualities which diffuse an ideal charm over the pre-eminently attractive among Shakespeare's women."

Precisely so it is with music. If the "ordinary woman" cannot personate the pre-eminently attractive among Shakespeare's women, neither can a shallow, uneducated man or woman sing the noble songs of Handel. Imagine the comic man at the minstrel troupe singing "It with all your heart," from Elijah, or a Tostee enaying "I know that my Redeemer liveth." We cannot imagine it, and we do not wish to.

The time was when people thought the singer or player could perform anything, be it sacred song or lightest waltz. So they could, and can, but it is only performing. They may give the notes and the words correctly, and all the time it will be nothing more than a colorless imitation of the music—the sound without the soul.

A liberal culture, refinement, and a good heart are essential to success in the higher forms of oratorio music. This may seem absurd to many a shallow, little soprano or half-educated tenor; but this very belief is the stamp of their own neglected culture. Mere musical ability and a voice does not make the great singer, and the sooner we understand the truth of this the sooner shall we reach success in the art.—*The Vox Humana*

NATURAL HISTORY IN SCHOOLS.

We have always advocated a greater attention to the study of natural history in schools, especially in our country schools, and we hope the time is coming when every child will be taught to observe and to know the properties of all the common objects about him, the plants, the trees, the stones and the animals. But it meets with obstacles. The *Portland Press* says that in a country school not a thousand miles from that city, a young lady teaches school who tries to interest the children in botany and mineralogy by having them bring to her the result of their gleanings during their Saturday rambles in the woods, when she explains to them the nature of the plant or stone, and tells them the name. This occurs out of school hours. Yet last week one of the committee visited her in school hours and forbade her doing so any more, giving as a reason that it filled the children's heads with nonsense and prevented their studying.

[We would recommend that the "School Committee Man" have his name published and recommended to Barnum as a "Lunar Nature" for his museum.—Ed. F.]

MANLY HONOR

Lothario—as in Mrs. Marsh's story of The Admiral's Daughter—in the absence of his friend, or in despite of his friend's presence, "ensnares the affections" of his friend's wife. Mrs. Grundy says, "Oh!" and, "Have you heard?" and shrugs her shoulders and rolls her virtuous eyes to heaven. Suppose that is all true. If the friend loved his wife, it is a tragedy, and it is easy to fancy him, in a paroxysm of passion, shooting his rival, as men have often done, or blowing out his own brains. But what could be more comical than his going out in a melancholy manner to let his friend shoot at him? And, again, does any body believe, whatever he may say, that men would be constantly "ensnaring the affections" of their friends' wives if they were not conscious that they would be called to account at the pious' mouth?

As for manly honor, whatever it be, is it something at the mercy of rakes, bullies and vagabonds? Can the conduct of another affect your honor? It may give you pain, shame, and regret. It may break your heart, and ruin your life. But it cannot touch your honor. Of that you alone are the guardian. That you only can stain. Is the honor of Richard Turpin, junior, injured because his father swung at Tyburn? Is the grand daughter of Dr. Dodd dishonored because the doctor forged and suffered? Or—except in Mrs. Grundy's judgment—is the honor of Menelaus soiled by the preference of Helen for Paris? That preference may dishonor her, may utterly desolate her home, and wreck his life. But how can it dishonor him? Only upon the theory that she is not an equal human being, that she is merged in him: a theory which reason and common-sense repudiate.—*George William Curtis, in Harper's Magazine for November.*

POSITIONS AND PLACES WANTED.

We are constantly in receipt of Letters from the Eastern States, making inquiry for prominent places for competent persons as Head-men on Stock Raising Farms, Overseers on Ranches, Head-men to conduct a Dairy, or a large Poultry establishment. This shows that the various and large products that are shipped over the "Railroad" and by Steamers East, are a trading great attention, so much so as to induce those who feel qualified to "act as Superintendents to desire to come to our State as a new field of operations.

As it is in our power to furnish both parties the Employer and Employed, with what they desire: We advise all such to make known their wishes fully and confer with us.

WARREN & CO., FARMER OFFICE.

RAILROAD TRAVELING.

We give on our outside Page a complete List of all the Routes of the CENTRAL PACIFIC, WESTERN and SOUTHERN PACIFIC RAILROADS, with TIME TABLES complete, together with STEAMBOATS and their TIME TABLES, all corrected and complete, for reference, and for all travelers.

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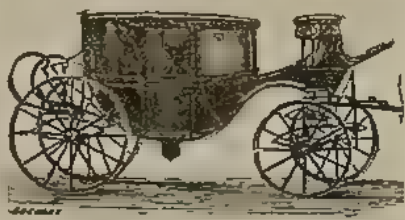
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Our FORTIETH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of the year and the following year also, thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on this Coast. We trust we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

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CALIFORNIA FARMER

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SAN FRANCISCO.

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All letters on business connected with the office should be addressed to WARREN & CO., PUBLISHERS.

EUROPEAN.

From our Special Correspondent.

PARIS, October 4, 1873.

POULTRY, RABBITS, &c.

A. M. Besschet, of Vaugirard, Paris, is reported to be making a fortune in the rearing of poultry and rabbits. He rears the rabbits in cellars, and over these are the fowls; each rabbit has a house to itself, about a yard square and is fed and fattened on lucerne and oats; in every cage there is one cock and three hens, which are mostly fed on lettuce. The Cochon Chinois is the most favored breed, and next the Brahman potab. Some of the former full-grown birds, sell as high as 100 francs, and a chicken brings 20 francs. Some of the rabbits, not fattened, weigh from 15 to 19 lbs., are all black and no legs, and have enormous heads. It is a common joke in France to assert, a man can make an independent increase in the rearing and breeding of rabbits. However, it is no laughing matter now, with meat a franc and a half a pound.

It is the custom in France during the summer season for farmers to cover the ears of their horses with lichen cases; this has often produced vermin, while keeping out flies from the animals' ears. It is said a few drops of any offensive, but repulsive smelling oil, placed in the hollow of the ear once a week, will effectually drive off flies. It is said that it is only the Chinese who eat eggs that nobody else could approach. To know fresh eggs, the French dissolve four ounces of salt in a quart of water, if just laid, the egg will sink to the bottom like a stone, if three days laid, it sinks half way, if five it remains on the surface, later it rises half out of the water.

LABORERS WANTED, VINE DISTRICT, &c.

Belgium agriculture suffers more and more from a scarcity of manual labor, caused by immigration to the manufacturing towns. Many farms are very difficult to let, and rents are coming down. Machinery would of course alleviate the evil, but then farms are so small that investment in machinery would not pay. Threshing machines are hired by the day, and three or four small farmers club together to achieve even this. The population of Brussels has nearly doubled within the last quarter of a century. The new game law, which defends all shooting between sunset and sunrise, works well. It does not affect poachers, who have supplied the hotels before the season opened for selling game, with partridges under the name of "field pigeons."

The use of sulphuret of carbon or alcohol of sulphur, as an insecticide in the case of the vine bug—phyloxera—has certainly met with success, but the testimonials of efficacy of this method and acid liquid regret the means for applying it by boring deep holes around the roots of the vine, are defective. It is proposed to employ the hollow iron boring rods, familiar in the Norton system of instantaneous well-boring. There is

much dispute raging as to who is the veritable author of the sulphur alcohol remedy, but in any case it should not be forgotten that the flooding of the vines in autumn is a perfect cure.

A very ingenious weighing machine has just been patented; it has the merit of being simple and cheap. Three feet open like a theodolite, from which is suspended an ordinary Roman steelyard, having a protruding end, sufficient to sustain a sack of corn, which can be filled from an upper floor by a slide and a turn-dish, roots, &c., and articles in general can be equally well weighed, and by running a track underneath the sack, and slightly pressing downwards the sack is detached from the balance.

The "sweet potato" is strongly recommended to be cultivated by farmers; its leaves make an excellent forage, the yield of roots is fair, require not much more care than to be kept free from weeds. The roots raised from Algerian produce are the best to plant. All autumn labor is progressing admirably; the winter crops are being well got in during our "St. Martin's summer," as is called a few dog days in autumn.

Home Correspondence.

CULTIVATION OF ALFALFA.

WOODLAND, YOLO CO., Nov. 8th, 1873.

EDITOR CALIFORNIA FARMER—DEAR SIR:

I have just read an article in the last Farmer, calling attention to Alfalfa, and also giving directions for its treatment. I am glad that the Farmers are being awakened to the many advantages of this grass, for it is certainly the grass for California. It has been cultivated in this section for over fifteen years, but to quite a limited extent, until within the last five years, since which time the area has been much increased, and yet it has only commenced, as some men are preparing to put their whole farms in this noble grass.

I have been rather a close observer of the various modes of planting, have also planted some myself, and agree with the article in the Farmer in nearly all of the details. But in this section it will not answer to sow the seed with any other grain. I have seen it tested more than once where all the necessary steps of properly preparing the soil had been taken, and in every instance a failure to get a stand of Alfalfa.

As to Fall or Spring sowing there is a difference of opinion, as to myself I prefer early Spring, and Summer Fallow land, and then there is no failure (with good seed).

If you think any of the suggestions worth worth publishing use them as you wish.

W. J. PRATHER

NEW STEAM PLOW.

[We had the pleasure of meeting R. O. Parvin, Esq., inventor of the Steam Plow mentioned below, at the Golden Eagle Hotel on his arrival here, and received a description of his invention, and his hopes for it, with a courteous invitation to go to Dixon at the trial of it, which we regretted very much not to be able to do, by reason of prior engagements. We see below what the Sacramento Union says.—Ed. F.]

A specimen of the Parvin steam plow, manufactured at Farmington, Illinois, under patents obtained by Robert O. Parvin, arrived here by yesterday morning's freight train, en route for Bolinas county, having been purchased by Morris Briel, of Dixon. The inventor of the plow has also come out to the Coast, to see what can be done towards introducing it upon the large ranches of California. The plow is compact in construction, perhaps a little complicated in machinery, and weighs as it stands on the car at the depot, about five tons. The framework to which the plow is attached is forward of the steam wagon by which it is forced along, and the greater weight of the whole apparatus is sustained by a wheel of peculiar construction located beneath the centre of the forward part of the wagon. This wheel is formed of six iron shoes, about four feet long and sixteen inches wide, so arranged at equal distances that two of them bear upon the ground at once, one with its full surface and the other with about half. Many farmers inspected the apparatus yesterday, and the general opinion was that it would operate successfully on ground of average quality, the only danger being that some of the wheels might bury.—Sacramento Union of November 1st.

TRUST.

Better trust all and be deceived,
And weep that trust that deceives,
Than doubt the heart that, if believed,
Has blessed thy life with true believing.

Oh, in this mocking world to trust
The doubting band o'ertrikes our youth;
Better be cheated to the last
Than lose the blessed hope of Truth.

THE WINE INTEREST OF CALIFORNIA.

There has been so many erroneous statements put forth relative to the Wine Crop of this State previous to this date, that we take pleasure in giving what we esteem a very candid and reliable Report, which is herewith presented in the Wine Circular of J. M. Corlis, Esq., Wine Commission Merchant, on Jackson Street, and late Manager of the Lake Vineyard Wine Company.

These Reports of Mr. Corlis are so reliably correct that they are copied in the leading Journals of the East and Europe, these we give in full, with the Freight Lists.

THE WINE CIRCULAR.

The vintage is rapidly drawing to a close, and the unsatisfactory yield of less than 3,000,000 gallons makes the season a gloomy one for the vintagers. Last year the frost set down the anticipated product of 8,000,000 gallons to an actual yield of 4,000,000. This year, owing to unseasonable frosts, our anticipated vintage of 10,000,000 gallons will scarcely reach a quarter of that amount, and will be generally of a quality inferior to last year's vintage, as the districts best stocked with fine varieties of vines have suffered most severely from frost. To add to the misfortunes of the wine-growers, the demand for wine has been light, our exports for the first nine months of the year showing a gain of only 7,988 gallons over the corresponding period of 1872. The home trade has been better, giving a gain of 25 per cent this year, as nearly as can be estimated from the receipts of wine in this city as given by the daily press.

The exports of Native Wine and Brandy to the 1st of October have been:

	Quarterly Ending March 31st.	1st. June 30th.	Sept. 30th.	Total.
From San Francisco, by sea.....	144,378	152,543	143,736	440,657
From San Diego by sea.....	14,934	14,934
From San Francisco, by rail.....	29,836	98,035	168,321	296,192
From the Interior, by rail.....	4,584	25,748	17,380	47,712
Total.....	188,824	286,326	289,437	764,587
During same period 1872.....	150,024	308,634	290,703	749,361

The exports by sea to other ports than New York show a small gain over those of last year. By rail to the Western cities, the gain amounts to 30,589 gallons, or 11½ per cent, while to New York our shipments show a loss of about 25,000 gallons, or 5½ per cent.

Prices have been steady at my quotations of August 1st, and have varied very little during the last year. We have thus far failed to realize the advance expected by many to arise in sympathy with the advance in Foreign Wines. Manufacturers, however, are now paying from 15 to 30 per cent. more for grapes than they paid last year, except in Los Angeles County, where prices have declined. This will be partially offset by diminished cost of coopersage and by improved facilities for manufacturing. The advance, therefore, if any occurs, will be slow and gradual.

The stock of 1871 Dry Wines in the hands of vintyardists may be fairly estimated at 400,000 gallons of merchantable Wine, while stocks held by merchants in this city and Sacramento amount to 350,000 gallons. Similar Wines of 1872 probably amount to 2,000,000 gallons, of which about one-third is held by merchants.

Port Wine of prime quality is in light supply, and in fair demand at current rates. Angelica moves slowly. Wines resembling Sherry or Madeira are in fair demand for the domestic market. Red Wines that are slightly deficient in color and in dryness are abundant and unsalable, while deep-colored and good Red Wines are in active demand—the supply small. Dry White Wines are in abundant supply, but move steadily, forming the bulk of our export, and show a slight tendency to hardening prices.

The prices current for 1871 Wines, of good shipping quality, in round lots, delivered free on board ship or rail (casks included) are:

Dry Red Wines from Mission Grapes.....	40s—45
Dry Red Wines from Mission Grapes (blended).....	45s—45
Dry White Wines from Mission Grapes.....	45s—45
Dry White Wines from Mission Grapes (blended).....	35s—45
Dry White Wines from Muscat or Muscatelle Grapes.....	60s—75
Port.....	80s—1
Angelica.....	75s—90
Sweet Tokay.....	—d—85
Sweet Dessert Wines.....	85s—1
Sherry.....	85s—1
Sparkling Wines (Fermented), quarts.....	9s—12
Sparkling Wines (Fermented), pints.....	10s—14
Sparkling Wines (Charged), quarts.....	85s—9
Sparkling Wines (Charged), pints.....	8s—10 50

The present rates of freight are:

By rail via Cape Horn to Liverpool and London, 6d. per gallon.	
By rail via Cape Horn to New York, 10 cents per gallon, currency.	
By steamship via Panama (fast), 15 cents per gallon, gold.	
By steamship via Panama (slow), 10½ cents per gallon, gold.	
By rail to New York, in carloads (10,000 pounds), \$8 00 currency.	
By rail to St. Louis, Chicago, Dubuque, and Burlington (10,000 pounds), \$2 00 currency.	

By rail to St. Louis and Chicago, not less than 3,000 and over 10,000 pounds, \$2 25 currency.
By rail to Cincinnati (car loads), \$2 35 cents currency.
By rail to Louisville (car loads), \$2 30 currency.
By rail to Philadelphia, Baltimore, and Pittsburg, not less than 3,000 and under 10,000 lbs., \$2 75 currency.
By rail to Milwaukee, in carloads, \$1 10 currency.
By rail to Milwaukee, not less than 3,000 and under 10,000 pounds, \$2 25 currency.
By rail to Omaha, 3,000 pounds and upward, \$2 00 currency.

THE GRANGERS.

The following notice of the "Grangers" we copy from our excellent Contemporary, the Commercial Herald, of this city, and commend its frankness and good counsel to every Granger.

The California Farmer was the "First Journal" on this Coast to promulgate the Grangers' Doctrine, nearly four years ago, and urged good counsel then, therefore we claim to give counsel now.

There are not wanting those who charge this Journal with a certain degree of emity toward the grangers. Some parties are likewise studious in arraying some of our prominent merchants as the natural foes of grangers. Both of these allegations are so obviously stupid that they require nothing more than the simple statements to show that their authors are natural dolts. It is acknowledged by all that the farming classes constitute the main stay of this State, and it is transparent folly to allege that either the press or the mercantile community would harm a strand of that stay. We have, on several occasions, pointed out some serious errors into which the granger had fallen, and others that they were likely to commit if not warned in time; and we claim that in so doing we exhibited a far more friendly spirit than did those who clapped them on the back, and said, "Well done," being at the same time conscious of duplicity and cowardice. Headless of who may be said or done in the premises, we shall continue to express our unbiased views on a subject of so much general importance, not because we would obtain favor of the granger, but because it interests the welfare of the whole community. In our opinion, those patrons of busiandry have undertaken to accomplish too much. They have not only assumed a defensive, but have also adopted an aggressive policy. They have not been satisfied with an endeavor to rectify the ills they suffered, but have invaded the realms of other departments. According to the views enunciated by their official spokesmen, they would create an imperium in imperio; they would be in the community, but not of the community. They propose to carry on a banking business on their own account; to charter and load ships; to establish their own stores for general trading; to introduce grain shipments in bulk; to hold the balance of palliation power, and use it at their pleasure; and, in fine, to run an independent organization with the privilege of directing all others. In regard to politics, they disavow any political aims as grangers, but will use the power which their fraternity gives them, and will employ it as citizens. This quality of being is one of those queer sophistical ideas by which even clever men are sometimes deceived. The prejudices or partialities which obtain in a grange must necessarily find practical expression at the polls. A citizen is not less a citizen when he is inside of a lodge, nor more of one when he is outside. The power which the grangers have already obtained in the United States is undoubtedly very great. It is accompanied by a very grave and serious responsibility, and should be wielded with the most scrupulous caution. Opposition to oppressive monopolies is one of their leading maxims. Let them beware lest their organization grow into an oppressive monopoly. Their proclaimed determination to invest none with official position who does not subscribe to their views, is a menace in itself. There are other interests in this country which will insist upon a just recognition of their rights, and this fact should be borne in mind. We again take occasion to congratulate the farmers upon having formed an organization from which much benefit has already resulted to them. We hold it self-evident that each class of the community should band together for self-protection, and the acquisition of all just rights, but the possession by any one of a power so vast, so overshadowing, as that which the grangers already have, may lead to complicated disasters, unless managed with consummate skill and consideration for other interests.

THE GORHAM GREAT REED SOWER.
To show the great demand for this most Excellent Grain Sower, we append the following Letter addressed to the Agent at Sacramento:

A. J. BURMAN, Esq., Dear Sir:

The great call for the Gorham Sower, and Cultivator, has nearly run out my car load this month. The Farmers have only commenced buying, and think I can sell 50 more if I can get them. Please let me hear from you at your earliest convenience.

W. J. HOUTON.

If many professed Christians should speak out the things they really feel, instead of the smooth prayers which they do pray, they would say when they get home at night, "O Lord, I met a poor wretch of yours to-day—a miserable, unwashed brat—and I gave him alms, and I have been sorry for it ever since."—Becher.

OUR NEW VOLUME.
We XL. upon entering our Fortieth Volume, and think we can claim title to XL. for our Faith has been excellent to carry us on for Twenty Years.

WALTER BROWN & SON'S WOOL CIRCULAR.

New York, November 1, 1873.

The Wool Trade throughout the month of October has been in a state of inactivity, and generally unsatisfactory to all who are directly interested in the staple. The uncertainty existing as to the ultimate effect of the Wall St. Panic on the mercantile community, was sufficient to induce most manufacturers to keep out of the market, and before increasing their supplies, to use up what stock they had accumulated from their ample purchases six weeks or two months ago. The feeling of distrust, a consequence of the recent collapse, has induced holders of wool to accept only cash offers, or to make time sales in no instances except where the buyers were of undoubted standing. This policy has had the effect to limit transactions very much, and to cause concessions in prices to unexceptionable parties.

Generally speaking, the condition of the Wool Markets is without any very material change; the stock in Eastern cities is light, and that portion of the domestic clip still held in the interior is not large, and with the resumption of a fair demand there is little doubt that all the wool will be wanted, and a possibility if not a probability of some advances of prices.

Manufacturers, as a class, are in very good condition as regards the amount of goods on hand. Up to the beginning of the crisis they had enjoyed an exceedingly prosperous trade in their productions, and at present most of them have unsold only the accumulation of the past few weeks. The policy of many of the larger mills, to stop their machinery, or to run only part time, will naturally have a good effect in preventing any surplus of goods on the market, and we think we can already see a beneficial effect from this course, in a slight improvement at the close of the month, in the sales by manufacturers' agents.

The financial question is daily assuming a better position, and it is to be hoped, that with almost every mercantile and commercial interest throughout the country in a sound condition, we shall soon see a return of an active and healthy demand such as prevailed during the summer.

As we go to press, we learn with regret of the suspension of one of the largest Dry Goods commission houses in the city. The full effect of this calamity is not yet apparent, but there is no doubt that it will tend to depress both the Woolen and Wool interests, by increasing the distrust which already exists in mercantile circles.

Receipts of Domestic Wool during the month were: 3,622 bales and bags. Counters: Texas, 322 bales; New Orleans, 67 bales; Savannah, 67 bales; other Southern Ports, 57 bales.

The Imports as reported are: London, 1,757 bales; London and Havre, 65 bales; Liverpool, 324 bales; Leghorn, 25 bales; Smyrna, 82 bales; Buenos Ayres, 206 bales; Caracas, 5 bales. Total, 2,465 bales.

TUB-WASHED WOOL.

Choice.....	54 @ 58
Fair.....	50 @ 53
Inferior and Burry.....	45 @ 48

PULLED WOOL.

New York City extra Pulled.....	38 @ 43
New York City super Pulled.....	38 @ 45
New York City No. 1 Pulled.....	38 @ 40
Western super and extra.....	36 @ 40
Country extra Pulled.....	45 @ 47
Country super Pulled.....	45 @ 47
Country No. 1 Pulled.....	42 @ 45
Canada Pulled.....	— @ —

CALIFORNIA

Spring Clip, fine.....	32 @ 35
Spring Clip, medium.....	31 @ 34
Spring Clip, low grades and burry.....	24 @ 28
Fall Clip, A.....	21 @ 24
Fall Clip low grades and burry.....	18 @ 20
Extra Pulled.....	— @ —
Super Pulled.....	— @ —
Low Pulled.....	— @ —

AMERICAN CATTLE FOR ENGLAND.

The recent and enormous prices paid for "Short Horns" at the Great Sale of the "Campbell Herd" of Durham at New York, is a good proof that raising Good Stock pays. It also shows the great importance of keeping the strain of blood pure by a reliable Pedigree.

Among the purchasers of the "Campbell Herd" at New York, which we published October 23d, is the name of "Skelmerdale of England," whose name was booked at the "Grand Hotel" in this city. Lord S. has recently visited Kentucky to look at the fine cattle there, there, for our State was not yet ready to offer him animals worth \$20 to \$40,000 each.

Here is what the Clark County, (Ky.) Democrat of 23d October, says:

"We have had a live Lord in our midst. He arrived here on Monday, and has been the guest of B. F. Vanmeter, Esq. His name is Lord Skelmerdale, of Latham House, Ormskirk, Lancashire, England. He is a cattle-breeder of eminence at home, and was present at Campbell's great sale last month, where he bought a cow for \$30,000. Since then he has been to California, and expresses himself as charmed with our country from East to West. His Lordship came to Clark county to look at the "Rox of Sharon," owned here by Mr. Vanmeter and others. He is a very sociable, agreeable gentleman, and quite modest and plain in his manner. He is not the first nobleman who has taken an interest in Clark county cattle. Lord Dunmore bought several females last spring from the herds of Messrs. Vanmeter and Remick, and shipped them to England. By the way, we noticed in the papers a few days ago that he had sold a little island off the coast of Scotland for \$600,000. This is a very small figure in his estate, however."

When you hear a man say the world owes him a living, don't leave any home laying around loose.



Agriculture.

AN AUTUMN BALLAD.

The fruits of the farm are gathered in
From the orchard bough and the fallowed field,
Till the cake and crib and granary bin
Are full to the brim with a bounteous yield,
And vapory clouds have now begun
To dapple the shield of November's sun.

'Tis a time for rest for the husbandman;
His heart was big with ripe content
As he takes his wages for sweat and tan
And strength is a Summer's labor spent;
No soul of a mint nor crown of a king
Could never so sweet an enjoyment bring.

Smart Farmer Bowers has earned the right
To sit by his cheerful birchwood blaze,
When frost is clipping the Sycamore's Night,
At evening-tide in the shortening days;
And, folding his brown arms over his breast,
Thanks God for labor that brings such rest.

And now, if ever he toilsome lot
Has found him weary and worn and faint;
If ever depending, trustless thought
Has almost banished a merryming plant,
November's plenty and peace bestows
Abundant reward and a calm repose.

His happy companion, counsellor, wife—
His queen of the realm of worth and grace—
Finds pleasure enough to sweeten her life
In watching the smile on her husband's face.
Ah, who can fathom the well of joy
That so deep and still in her bosom lies!

When star's farce waltz of sleet and wind
Is raking and shattering tree-top and spire,
The wanderer, homeless and hungry may find
Shelter and food by the farmer's fire;
For kindness will open his generous hand
To warm and to feed the poor of the land.

LABORERS DEFENDED.

Mr. Arch, it appears on hearing from a Canadian farmer the number of hours laborers were expected to work daily in Canada, informed him that it was useless for him to expect English laborers to accept employment in that country. "What you want," said Mr. Arch, is a slave, "and English never will be slaves." The Canadian farmer, however, must not accept this statement as strictly accurate. That it is not quite correct is evident from a trade-union case tried in the Greenock Small Debt Court last Wednesday. Joseph Clark, rope-maker, brought an action against William Virtue, rope-spinner, and other workmen, claiming £12 as compensation for the loss he had sustained through their causing him to be dismissed from the service of Messrs. Tough & Son, rope-manufacturers, "without any fault on his part, but only on account of his having refused to pay a fine arbitrarily imposed on him by the Greenock district of the National United Association of Rope and Twine Spinners of Great Britain and Ireland." It seems that, Clark having refused to pay a demand made upon him by the society and having expressed a wish to retire from it, his fellow-workmen refused to work with him, and threatened to leave their employment unless he were dismissed. Accordingly he was dismissed, although his employer admitted that he was a good workman, and discharged solely because the other men in the shop objected to him. On Clark's solicitor writing to Messrs. Tough to protest against his wrongful dismissal, and to claim a week's wages in lieu of the week's warning to which he was entitled, the latter was submitted to the workmen, who paid the amount claimed. The Sheriff gave Clark a decree against the defendants for £10 damages, stating that the plaintiff had claim to solatium, as he had no doubt that the employers had been coerced. It was stated that not only Messrs. Tough, but several other rope manufacturing firms in Glasgow and Greenock, are in complete subjection to the workmen's society.—*Poll. Adm. Gazette.*

A gentleman who has tried it says the best way to catch a rat, who has found his way into your room, is to lay a boot flat upon the floor, close to mold board. The rat will run into the boot leg for protection, when he is readily captured.

FROZEN MEAT.

An experiment is now being tried which, if successful, must be productive of great results to the Colony and to every one interested in its prosperity. We allude to the pioneer shipment of twenty tons of frozen meat now on its way to England on board the Norfolk. This meat has been frozen by a new process, which has been patented by its discoverer, Mr. James Harrison. Mr. Harrison accompanies this first shipment home in order to insure the experiment being carried out in its integrity. It will be remembered that this gentleman was the patron of the method by which he is now regularly manufactured in the Colony, and great hopes are entertained that the experiment now being tried will result in a satisfactory manner. Upon a small scale it has been tested here and upon every occasion with the greatest success. Hitherto many objections have been urged to the preserved meats which have been shipped from the Colonies to England. It has been complained that the meat was too salt, that it was too much cooked, and that it was to a certain extent destitute of flavor. If, however, Mr. Harrison's scheme be successful, meat preserving will be at an end. We shall be able to ship whole carcases of mutton and beef to be cut up and sold as fresh meat in the London market, without its freshness being in any way suspected or impaired. A joint may be boiled or roasted in the usual manner, and afterwards eaten without provoking any remark from one not in the secret, save that the meat seemed to be sweeter and more tender than usual. There is every reason to hope that the shipment will be landed in good condition, for since Mr. Harrison's departure some meat which he left behind him, which had been frozen for 85 days, and then thawed, and pickled, has been cooked, and found quite equal to joints treated in the usual manner. Every care, we believe, was taken in packing the meat by the Norfolk, and all we can now do is to patiently await the result. If it be good, the advantages which will accrue to the whole of the Australian Colonies can scarcely be over-estimated.—*Melbourne Argus, August 12th.*

Chicago wants to have the next world's fair held there. "In the first place," says the Boston Post, "the fact is certain that the next world will have a fair, and in the second place those who'd be likely to attend it will prefer a more pleasant town in which to celebrate."

THE FINANCIAL CRISIS AND FARMERS.

Various schemes have of late been published by which the Farmers might find relief from the present financial embarrassment—some advising Farmers to retain their cotton until 20 cents a pound is secured them, notwithstanding that these Planters may have borrowed money from the Factors, by the aid of which they have been enabled to produce this very cotton. Most of our Farmers' debts incurred for the purchase of commercial fertilizers and plantstock supplies fall due by November 1st. The Cotton Factor has to depend upon the delivery of the Farmer's cotton to meet his bank paper—falling in the former, the latter must go to protest.

This advice to Farmers to ignore their indebtedness unless a paying price for their crops can be obtained, is wrong, to say the least; no matter if the Factor has charged the Farmer an extortionate rate of interest, the debt incurred must be discharged, as he knew what rate of interest he would have to pay for the accommodation. Procrastination will only involve him deeper in debt, as lawsuits for non-payment are sure to follow, and add, by their costs to the original sum to be paid. Farmers who have unfortunately placed themselves at the mercy of the money lender will only increase their financial difficulties by withholding their cotton from market and refusing to cancel their indebtedness, they must submit to their fate, and submit with the best possible grace. Our advice to Farmers is to pay off what they owe at the earliest possible date by bringing the cotton to their Factors and take up their obligations. Then let them take heed for the future, and not be placed again in a similar predicament. Better curtail your farming operations for next year, and reduce your planting area within a compass commensurate with your resources, as no man living has yet solved the problem of making farming pay on borrowed means at 20 and 30 per cent. interest per annum. The present system of farming will not afford 10 per cent. income on the capital invested, taking the average of our best planters; what must then be the expectations of those whose agricultural skill and knowledge cannot compete with that of our most progressive husbandmen? In the most favored farming sections of the North and West, where the average money yield of crops per acre is far above that of our lands, few Farmers make money by their avocation. They seldom receive beyond four per cent. from their capital invested, the support of their families being considered as a return for their labor. It is true that in exceptional cases, where special crops are raised, which are not within the reach of all, a good profit and large interest is derived from farming, but there are exceptions to the rule. Landed estates in Great Britain and France seldom bring above 3 per cent. income to their owners; upon that basis leases are made for a long term of years. There farming has attained the highest degree of perfection yet arrived at by the Agriculturist; labor is abundant and cheap, improved machinery by which the cost of production can in any manner be reduced, is everywhere employed, still with moderate rents and large crops few Farmers become rich, although many attain to a comfortable competency, and their landlord knows that he receives a fair return for his capital. If then, with such a system the Farmer just sustains himself in Europe, what must be the fate of our Southern Cotton Planter, who, although owning the soil which he tills, is compelled to pay 20 per cent. interest, at a low calculation, for the means of doing so? In other words, he pays from seven to ten times more rent than his English or French compeer, hence the result is not difficult to foresee, it being only a question of time when he must hand in his title deeds, lucky if in some last access the surrender of his property cancels his indebtedness.

In agricultural economy there exist certain immutable facts, which all Farmers should know; one is, that if a pound of cotton cost as much to produce as it is likely to be sold for, that the pursuit will no longer pay; yet how few of our Farmers heed this fact. Another is, that the larger the amount of capital at the command of the Farmer, the lesser will be the cost of production and the increase of profits. This rule, however, is incorrectly understood if the supposition is entertained that the same results can be obtained from capital borrowed at 20 per cent. interest than from capital owned by the Farmer.

The era of railroads, electric telegraphs, that of international exchanges which is its natural consequence, have produced such changes in the relations of the different nations among themselves, as well as in the intercourse, habits and necessities of the different classes of society, that economical necessities are consequently needed in every pursuit, and in none is this more needed than in that of the Agriculturist.

The sudden change in our labor system of a few years ago compelled a reform in our system of husbandry, men who for years past tilled large tracts of land, fed from force of habit that they could not fence their acreage; had they reduced the number of their acres under tillage and worked well only a portion which they could manage without resorting to borrowing money to extend their operations, the result to-day would have been quite different, as instead of being at the mercy of the men who made them money advances, they would have their crops free from liens and would reap the fruit of their labor. Those who persist in farming upon capital borrowed at a rate of interest above that which the best land can possibly produce, had better make an assignment of their land at once and save the expense of a Sheriff's sale, which is sure to come hereafter. The remedy for the future is wit in the reach of all Farmers. If you cannot work a hundred acres work fifty, if not fifty then still twenty five, but do not borrow money to carry your crop on; our word for it, you may gather it, but the money lender will enjoy it. If you owe for past advances, pay them, if it takes your last pound of cotton, but take care that this proves a lesson for another year. So long as Farmers will borrow money at extortionate rates of interest, so long will they remain in the hands of money lenders, and the present financial crisis will assume a chronic form with each annual return of the gathering of their crops.

BAD FOR THE LAWYERS.

Quite a number of the subordinate gauges of Iowa have incorporated into their constitutions a clause binding members, in cases where differences occur between them, to submit in all cases to the decision of arbitrators. This they rigidly adhere to, and law suits are becoming few as almost unknown, and the lawyers and courts find little to do. A member who refuses to abide by the pledge he takes in this regard when he signs the constitution, is considered to have a greater regard for law than justice, and is a subject for grange discipline, even to expulsion. This feature of Grange management can not be too highly extolled, nor too widely adopted among the subordinates. If we could get the expense of litigation among farmers—the lawyers' and court fees, the time squandered, to say nothing of the ill feeling and permanent enmity resulting in the rupture of social intercourse, which is so palpably essential to growth in morals and happiness—we have no doubt it would be found to go a long way toward paying the farm taxes of every community. Let the example presented by our Iowa friends spread not only among patrons, but among all organizations of farmers.—*Prairie Farmer.*

Who wants a well educated and well behaved Young Man on a Farm? Here is an unusual chance for a good farmer to obtain very excellent assistance in a Young Man who has a taste for Farming and wishes to learn by work.

Established 1853.

Stock for Nurserymen and Florists.

TERMS CASH.

Cherry Seedlings Maxted,	\$12.00 per 1000
" Mahalob,	20.00 " 1000
Apple Seedlings,	12.00 " 1000
Pear Seedlings,	15.00 " 1000
Walnut, English, 4 to 6 feet,	3.00 " 100
" California Black, 4 to 6 feet,	3.50 " 100
Spanish Chestnuts, 6 to 12 inches,	15.00 " 100
Cork Elm, 4 to 6 feet,	13.00 " 100
" 6 to 8 feet,	20.00 " 100
Blue Gum or Eucalyptus in variety	\$3 to \$10 " 100
Magnolia Grandiflora, 3 to 5 inches,	\$ 3.00 per dozen
" " 6 to 12 inches,	6.00 " "
" " 13 to 18 inches,	10.00 " "
Golden Arborvitae, 8 to 12 inches,	6.00 " "
" " 13 to 18 inches,	8.00 " "
Heath Leaved Arborvitae, 12 to 18 inches,	6.00 " "
Crataegus Arborescens, 12 to 18 inches,	2.50 " "
" " 2 to 4 feet,	6.00 " "
Euonymus Sepulchralis Variegata,	2.00 " "
" Palmetto,	2.00 " "
" Argentea Marginalis,	3.00 " "
" Japonica,	3.00 " "
" Auris,	3.00 " "
Sweetish Juniper, 12 to 18 inches,	3.00 " "
Heath Medietarian, (Hardy)	2.50 " "

Will only sell in quantities specified at these prices, if less 10 per cent. added, if more 10 per cent. discount.

FRUIT TREES! FRUIT TREES! AND WHERE TO PURCHASE THEM!!!

The Santa Clara Valley Agricultural Society has awarded for the Largest Collection of Pears, First Premium to D. S. Fox.

Best Twelve Varieties of Pears, B. S. Fox.
Largest Collection of Apples, B. S. Fox.
Best Twelve Varieties of Apples, B. S. Fox.
Best Collection of Peaches, B. S. Fox.
Largest Collection of Nuts, B. S. Fox.
Best Soft Shelled Almond "Langendorf," B. S. Fox.

Forest Trees, Shade Trees, large and small in quantity.

BERNARD S. FOX,
SAN JOSE.

THOM S. MEHERIN, Agent,
Battery Street, San Francisco. 40.3

Seminary Park

POULTRY YARDS,

(one mile from Melrose Station, O. P. R. R.)

ALAMEDA CO., CAL.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING

can spare Fowls, bred from Prize and Imported Stock and properly mated for breeding, at the following low rates:		
	Per Pair.	Per Trio.
Light Brahmas.....	\$10.00	\$15.00
Dark do.....	12.00	18.00
Buff Cochins.....	12.00	18.00
White do.....	12.00	18.00
Black do.....	12.00	18.00
Partridge do.....	18.00	25.00
Houdan and White Leghorns.....	10.00	15.00

ALSO

Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Cockerels. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$5.00 per Dozen, Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Marooned Bronze Turkeys Bred from First Prize Imported Stock weighing 34 pounds the Pair. Will spare Cocks at \$20.00, Hens at \$15.00, Trios at \$35.00.

Parties wishing Birds for Exhibition, will do well to correspond with me and ascertain special rates. Birds Imported on Commission. Please send for Circular and Price List. Address P. O. Box 1874, San Francisco, Cal.

Please state where you saw this Advertisement. 40.1

SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Ton. For one Ton and upwards Four Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Noe, Chico, or Wm. Van Woert, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF BUTTE" to Wheat Raisers are its great prolificness, small amount of seed required, short, stout straw adapting it to rich lands and summer fallow. For quality and quantity of Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize. The Flour made from it also won the Premium.

WM. VAN WOERT,
Nord, Butte County, Cal.

Valuable Tracts of Land.

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These lands are located in different parts of the State—some in each county from SUASTA down to SAN DIEGO, all good Lands and can be sold on advantageous terms.

This List comprises about EIGHTY QUARTER SECTIONS.

MAPS, LOCATIONS, &c.,

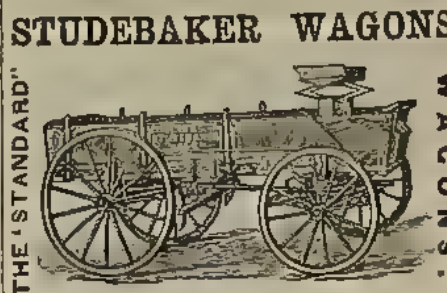
AT FARMER OFFICE,



LELAND STANFORD,
President.
H. F. HASTINGS, Vice President.
JOS. CRACKBON, Secretary.

Schreiber & Howell,
General Agents, Home Office.

STUDEBAKER WAGONS



HAVE BECOME THE

"Standard" Wagons of the Pacific Coast.

FOR QUALITY,
DURABILITY,
LIGHT RUNNING,
GOOD PROPORTION,
AND EXCELLENT STYLE.

They have No Peer.

IRON AXLE, | HEADER, and
THIMBLE SKIN, | SPRING WAGONS

Of all sizes, with HEAVY TIRES riveted on, always on hand and sold for \$75 to \$175.

Having established a Manufactory to build Wagons, Beds, Bunkers and Seats, I am better prepared than ever to furnish.

JUST THE KINDS OF WAGONS NEEDED.

The attention of Dealers is especially requested.
E. E. AMES, General Agent,
Factory and Depot, 217 and 219 K St. Sacramento.

30 9.m

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

108 & 110 Front street and

12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers,

Sweepstakes Threshers

ROLLINGSWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 18 inches.

The DEERE PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter,

for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 20 inches.

BOSTON CLIPPER PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full Stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circular, giving full description of Goods

MARCUS C. HAWLEY & CO.,
108 & 110 FRONT STREET,
SAN FRANCISCO.

OIL CAKE MEAL

THE BEST FEED KNOWN FOR LIVE STOCK

WE DESIRE TO CALL ATTENTION TO OUR OIL CAKE MEAL, which we are now manufacturing in large quantities as Oil Cake Meal, and we urgently request all engaged in the dairy business, raising and fattening stock, or growing, to give it a trial, feeling confident that they will find it of very great value. By those who have used it abundantly, ONE pound is pronounced to be equal to two pounds of Corn Meal and in the United States Government Report of the Department of Agriculture for 1863, it stands as follows in relation to other feeds as to the percentage of flesh produced from a hundred pounds of food, viz: Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oil Cake Meal, 23 per cent; 25-100 per cent. For 1864, 18 per cent; Oil Cake Meal, 23-100 per cent. For 1865, 18 per cent; Oil Cake Meal, 23-100 per cent. It is a sudden change in the market, and a suitable quantity for the morning and evening at night, either alone or mixed with any other feed generally mixed with the meal of bran, slops, roots, or any feed of any kind. It improves the milk for 12 or 14 hours, the object being to increase the quantity of milk, and the quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR HORSE CATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other food, and it is food known to quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for Horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and ornamental appearance of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton or so promotes the growth of wool. A small quantity given to chilled Cattle or Sheep will keep them warm and greatly increase their warmth and vitality.

At present price (\$30 per ton), it is the cheapest feed in the market. It is now selling in New York at \$42 per ton, and at \$50 per ton in England, where it has been proven to be long to be in every respect the most profitable feed for stock of all kinds—one ton being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Food Dealers, and at the Machinery, King street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET,

Sacramento

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

21 and 23 Barclay Street,

WALTER BROWN, NEW YORK.

Consignments Solicited, and advances made if required. 1-22-1v

J. W. COPPAGE.

J. W. COPPAGE & CO.,

COOPERS.

All kinds of Cooperage on hand and made to order on reasonable terms.

REPAIRING NEATLY DONE.

112 and 114 Jackson Street,

Between Drumm and Davis,

39-19 SAN FRANCISCO.

ALFALFA! ALFALFA!

SUPERIOR

CHILI ALFALFA!!!

FOR SALE BY

CROSS & CO.,

316 CALIFORNIA STREET,

San Francisco.

40.8

Standard Dundee

GRAIN SACKS.

22x36--Hand-Sewed--Extra Weight,

FOR SALE IN LOTS TO SUIT, BY:

ROSS, DEMPSTER & CO.,

39.21 100 and 107 California Street.

THE CALIFORNIA FARMER, SAN FRANCISCO. THURSDAY EVENING..... NOV. 13, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

330 Clay Street—Marble Building—Up Stairs

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences—with a Cabinet of Minerals, Coins, and Curiousities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, are TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to afford the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

S. M. PETTINGILL & Co., 10 State Street Boston 37 Park Row, New York, and 201 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our sweet rates.

Editor's Chair,

Here we shall hold our special weekly chat with Readers and Correspondents, and here we shall direct their attention to such articles in each issue of the FARMER, to which we would direct their special attention.

OUR PRESENT NUMBER.

We invite special attention to the valuable Letter in our "Home Columns" upon "Homoculture," the subject here presented is of vital moment to the welfare of mankind, here is a Reform that would bless the World, for while we are striving to improve Horses, Cattle, Sheep and Swine, eradicating Scum Stock, in all these classes, we have forgotten the more important work of eradicating Scum Stock in Humans, and thus have entailed Misery, Sin, Sickness and Death upon the world. Let this good work go on, we hope more noble counsel from our Esteemed Correspondent on this subject.

We also ask attention to the interesting Letter from "Clara Atherton," here is another important subject worthy of attention—Reform in Dress, Domestic Habits, &c.—we need higher Education, higher Tastes, higher Aims on the part of the Women Creators before we shall have Thoroughbred Men fit for the "Royal Society" alluded to in the Letter on "Homoculture," Clara Atherton has struck a happy vein, it will lead to a rich mine.

Our European Letter should receive attention for the valuable information it conveys of the condition of Agriculture and kindred interests in Europe.

The Steam Plow is here, and notices this week show we are progressing.

The Wine Interest is well set forth in the excellent Wine Circular of J. M. Cottle, Esq., on our Front Page, to which we call attention for its valuable data.

Wine Grapes shall we Grow, is admirably calculated to furnish information to all who desire to plant Vineyards. The allusion to Gen. H. M. Magle's Vineyard and Brandy Distillery, we can verify, as we have visited both, and know Gen. Magle to be a good judge of the character of the Grapes for Wine or Brandy, the latter he has the best in the State, the article in our Journal is from an Exchange at San Jose, and is all important for these interests by the information conveyed.

Financial Crisis for Farmers is a valuable article for our Farmers to read and study, we copy it from the Farmer and Gardener, Ga.

We have received from Joseph Neuman, Esq., (recently returned from the Eastern States), after examining many of the Silk Establishments and also attending the Silk Association in May last, a collection of Valuable Documents on Silk Culture, viz: Report of the First Annual Meeting of the Silk Association in America, with valuable Schedules and Statistical tables of the progress of this great interest East, from which we shall soon give important extracts.

LANDRETH'S RURAL REGISTER.

We have received Landreth's Rural Register for 1874, a very interesting little volume of practical information. Mr. Landreth is the well known Seedman of Philadelphia.

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they can show Written Authority from us.

THE VALUE OF THE STEAM PLOW.

Now that our Cultivators are beginning to realize the value of "Deep Cultivation" the Steam Plow will come to our aid and render this all important work "easy on a large scale."

In England and Scotland, large tracts of land are now cultivated by the Steam Plow, those used there are Stationary Engines, to move the Plows, while in California in the cultivation of the Plows, our Farms of 10,000 20,000 and 40,000 acre lots, we must have Mobile Engines with Plows attached, and they will be used here in a brief time and on a large scale.

The arrival of Robert C. Parvia, Esq., at Sacramento with his Steam Plow to be used at Dixon, of which mention is made in another place, will create a new interest for the Steam Plow, his results will be fully reported. We look for a Revolution in Plowing on a large scale soon.

The great benefit of Deep Culture by the Steam Plow we give in an article from the Sugar Bowl of Iberia, Louisiana:

"We learn from Mr. Henry E. Lawrence, of Bracken, City, that the steam plow used on the plantation of his brother, Mr. Hingham Lawrence has proven particularly serviceable this year, from the fact that its deep plowing enables the water to pass off without doing any serious damage to the cane; and while planters who used the old plows this year pretty generally have short crops, he expects to make about 1,000 hogsheads of sugar. Aside from benefits derived by bringing up the virgin soil this item of drainage alone will convince planters that it would pay them to purchase steam plows; and the most practical way of doing will be to organize associations and purchase one for each neighborhood, and plow for a stipulated amount per acre. Individually, few are able to make such an investment, but we hope to yet see steam plows everywhere employed in the sugar districts in the manner indicated."

THE WAR CLOUD.

The great atrocities committed on board the Virginias by the Spanish Authorities are of a character so abhorrent to all civilized nations as to call forth a spontaneous feeling of condemnation, and to arouse a strong and a universal desire for some immediate end of such murderous conduct, and a general desire that the "United States" shall become the power to punish the offenders and to stop all further Murders and Butcheries.

Fortunate for the United States, that we have a President that is cool headed or thinks before he acts, else perhaps our nation would have been at War with Spain ere this.

That the conduct of the authorities of Spain has been fearfully cruel we know, but it will be better to act coolly and wise, as our President is now doing, and thus prevent more bloodshed, than to rush wildly into war that might cost thousands of valuable lives and millions of treasure.

It will be seen how ready our people are for war, but it is all the promptings of Humanity or of Justice? or is it the desire to make money in war times, as was so notorious during the last war. There is lots of Shoddy Patriotism now-a-days.

Pres. Grant is all right, he will send our National Compliments in the shape of a powerful fleet of war vessels to their doors, and say calmly—see our teeth, stop this Wholesale Butchery Let us Have Peace! There will be No War.

WINE MAKING IN PETALUMA.

Although there are not so many Vineyards in Petaluma as in Sonoma, nevertheless there are some good Wine Makers, and those that understand the making of Good Wines.

While attending the Fair there recently, we visited the Wine Cellar of John Khron, Esq., an old Wine Maker and formerly the Firm of Khron & Williams, in the Pioneer Vineyards of early days. Mr. Khron has a fine Cellar for his Wines, although we think Wines would be better kept in a good Winehouse with light and air above ground.

Mr. Khron's cellar was particularly neat and sweet with a good circulation of air, and under his own careful personal inspection.

We had an opportunity to examine Wines of many years old—some White Wines of "57," and thence to present day. Red Wines, Port, Angelico, Sherry, all very fine and from 2 to 8 years old. Brandy very extra 8 years old, equal to old Sazerac. As "far back as 1821," 10,000 Gallons Wine was made at this Pioneer Vineyard, and so good and pure are their Wines that last year while Wines of that year were selling at 30x40 cents, Mr. Khron's Wine sold at 50 cents, the Vineyard embraces fifty acres and 13 varieties of best Foreign Grapes.

Mr. Khron's Wines were at the Fair and bore off the Premiums in each class.

THE GREAT RACE.

The great contest for supremacy upon the Tarl is to be tried on Saturday next, on the Race Ground at San Francisco, between the Atlantic and the Pacific, and the thousands who are interested in the sports of the Tarl will be there to see.

The great feeling is now among our people, we want CALIFORNIA TO WIN. Already our State claims, and justly too; the Fastest and best Trotter in the World (Occident), we also claim the Fastest Pacer (Defiance), and soon will claim the fastest Four Mile Race—sure as can be, and that Stevens will bear off the Palm of Victory—we shall hope for our State it may be so, to prove the speed and bottom of our Horse Stock.

THE LATE LUTHER TUCKER.

We have received from the Office of the Albany Cultivator, a Portrait of the Late Luther Tucker, so long and so honorably known in the "Annals of Agriculture, one whose life has been devoted to it and whose influence personally, and whose writings has left a Monument of his goodness and his great truth.

CATALOGUES.

We have the Catalogue of Wm. Meggat's Wholesale List, of Westfield, Conn.

New Catalogue of Randolph and English of 500 Books, Works on Farming, for sale at Richmond.

OUR ANNUAL FAIRS.

SONOMA AND MARIN DISTRICT FAIR.

The District Fair of these Counties was held at Petaluma as announced on the 6th to 11th of October, and although some effort was made this Exhibition was not what it should have been for so rich and fertile a region as FAMED SONOMA VALLEY.

The notes we took while present, were mis-carried, and now, perhaps, those who read them as Exhibitors, can better look over them and reflect upon the results of the Fair, what it was, and what it should have been, than amid the hurry of the Fair Season.

The question is being universally asked, "what good do our Fairs confer upon the Exhibitors and the Community, as they are now conducted, with the Races, the various Puppet Shows, Sporting, Gambling, &c." It must be admitted that they do not result in that great amount of Good that was hoped for by their establishment.

The Fair at Petaluma was like other District Fairs—a lively gathering of a large number of the "Home and Snow," the Sturdy Farmer, the Stock-raiser, the Inventor, the Mechanic and the Artisan.

The Exhibition Hall was pretty well filled with articles, a large showing of the handwork of Women, as is usual at our Fairs—Quilts, Counterpanes, Ties, Cushions, and varied Fancy Work, much of it not practically valuable or useful, Quilts and Spreads like "Joseph's Coat" of Many Colors would hardly seem appropriate for a fashionable "Chamber Set" of Rose Wood or Black Walnut, yet creditable as samples of industry.

The main body of the Hall was filled with Carriages and Buggies, and Agricultural Implements. Two Tables of Fruits, Wines; Dairy Products, Jellies, Preserves, &c.; that we shall name, while the sides of the Hall was covered and filled with Harness Goods, Pictures, and stands of Pot Plants—thus filling the space and giving a Fair appearance.

FAIR.

The largest and best show of Grapes was made by Morris & Bro., of Sonoma, their display was fine, consisting of 80 Dishes or Grapes, all excellent, some extra, viz: Famed Tokay, Reine d'Nice, Rose of Peru, Red Hungarian, Palestine, Grey Chasselas and Zante Grape (or Current Grapes.)

Also a show of Quinces and Almonds. Morris & Bro. have a Vineyard of 40 acres, mostly Foreign Grapes of the best kinds, and conduct a prosperous business of which we shall speak in another article.

W. H. Pepper of Petaluma, Nurseryman, made a very fine display of Fruit, 82 Dishes of Apples—fine, 32 of Pears—choice, 6 of Plums, and 10 of Grapes, also a dish of Chestnuts.

J. Kendall, of Petaluma, 18 Dishes of fine Apples and 4 of Quinces.

John Shay, a Dish of fine Pears—the Duchess d'Angeloine.

Mrs. Fowler, of Sonoma, exhibited a collection of Oranges, Lemons, Limes, Figs, Walnuts, Pomegranates, and Olives.

B. C. Rowell, of Green Valley, exhibited 49 Dishes of Apples, and 6 of Plums—fine.

Mrs. Farrington, of Green Valley, 21 Dishes of Apples, 15 of Grapes and 20 of Quinces, also Dried Fruits, and a Basket of assorted Fruit.

K. S. Lippitt showed Pomegranates and Peaches—excellent.

Mrs. M. E. Green, exhibited Jellies and Preserves.

FLOWERS.

K. S. Lippitt made a very fine display of Pot Plants, Cut Flowers, Dahlias, Roses and other—quite an addition to the Hall were these One Hundred Plants, and creditably and tastefully arranged, Bouquets in Vases also by Mr. Lippitt.

Wm. H. Pepper, of Petaluma, made an excellent showing of about One Hundred Plants in Pots—fine varieties, also a collection of Flowers, thus showing an extensive collection.

A Design for a Garden with its Walks, Trees, Plants, &c., was exhibited, but we did not learn the Exhibitor's name.

WINE.

John Khron, made a good show of many varieties of Wines and Brandy, and of superior quality—a creditable display of California capacity in making good Wines.

C. Krug, of Napa, had a very good display and also superior Wines.

N. Carriger, of Sonoma, made his usual display of fine Wines. Mr. C. always has good Wines.

MISCELLANEOUS.

The Ladies of Petaluma made a display of their skill in Works of Art, that merited Premiums, and then won them, among the Exhibitors of W. x Flowers of various designs and superb, were Mrs. J. G. Wickersham, Mrs. M. Faulkner, Mrs. J. D. Emery, Mrs. J. Campbell, Mrs. Luther Ellsworth O'Brien, and Mrs. K. F. Rucker.

Brow & Peabody, of San Francisco, exhibited their collection of Silk Manufacture, Floss Silk, Spool, &c.—handsome show.

The Averil Paint Company made a good showing in their various wares, now rapidly coming into use.

The Sewing Machines were represented by Two Companies only at this Fair.

The Famous Spring Mattress from the "Vander Palen" was successfully shown here.

ORCHES, FLOWERS, VEGETABLES.

J. Kendall, of Petaluma, made a fine show of Vegetables of all kinds, and in good order, and 15 varieties of Potatoes—new and valuable kinds.

E. S. & O. J. Gibson, of Vallejo Township, made a good showing of Vegetables—with extra large Beets and Squashes.

Corn of fine samples was shown by R. Glenn & Bro. F. Skilman, R. Smiley and J. D. Bester. Barley, Oats and Wheat of various kinds was

exhibited by D. Stewart, Laperville, H. P. McOleaver Gilbur Cook, C. D. Green and J. Kendall—the samples were all fine. Surprise Oats, Liverpool Barley, Egyptian Wheat, and others were the kinds shown.

The "Central Mills" exhibited superior flour, 4 Bags.

A Bale of Fine Hops was shown by Odis Allen, of Sebastopol.

CARRIAGES, BUGGIES, HARNESS, &c.

Zartman & Co., the well known Carriage Shop of Petaluma, made as large and fine a display as was ever made in that district, viz:

2 Splendid Double Family Carriages, 3 Top Buggies, richly finished, and 4 Express Wagons of Superior make, they attracted great notice, and sales were made during the Fair on account of their excellence.

Green & Spoolwood, of Petaluma, had on exhibit 1 Double Carriage, most excellent finish, and fine style, 1 Top Buggy, excellent, 1 Open Buggy—superb, and one Family Wagon.

AGRICULTURAL IMPLEMENTS.

A very handsome display of Implements was made by the Agents of M. O. Hawley & Co., of San Francisco, Messrs. G. F. Allen & Co., including their best Gang and Single Plows, Mowers, Cutters, Mills, &c.

R. S. Holman, of San Francisco, made a good show of Agricultural Implements, Wood's Mower & Reaper, famous for 20 years, with many valuable articles.

Donovan & Holden exhibited Randall's Rakes and Seed Sowers.

J. Leranger exhibited Hissel Cultivator, Gang Plows, Single Plows, Harrows, &c.

O. P. Hatch showed a fine Vineyard Cultivator, 2 Harrows, one a very heavy iron frame and teeth, "Woodworth's Patent."

There were several small parcels of Implements and Garden Tools.

E. L. Brooks exhibited his Farm Gate which may be called a Self Opening and Shutting Gate, as it is nearly so—it is in reality the very best Farm Gate that has yet been offered. Mr. B. exhibited the same at the State Fair and other District Fairs, and at each won special attention and Premiums, and worthily so.

STOCK EXHIBITION.

The show of Stock was better than usual at this Fair, we give the most important, omitting several lots of Grades and Inferior Animals.

Carr & Chapman, of Monterey Co., made a fine display, their herd of 10 Noble Durhams, their famed Bull, and their Cow Lady Solway—one of the finest cows shown this year. Such stock is worthy the Highest Premiums.

Page Brothers exhibited a herd of 11 Durhams and Grade Durhams—several superb animals, 3 fine Bulls; one "Oblique Harold"—a Beauty, this is the kind of Stock to show—creditably indeed.

Seneca Daniels, of Lakeville, had his Herd of splendid "Devons," 7 animals, real beauties among them.

A. Mallard, of San Rafael, exhibited four splendid Alderneys. This class of Stock must surely soon be properly appreciated. Mr. Mallard has done much to introduce this fine breed of Cattle into our State for which he deserves due credit.

D. Stewart, of Lakeville, exhibited Abbot Duke—a very fine animal, Half Brother to Col. Younger's famous Bull "Glencoe."

J. R. Jewell showed 6 fine Durhams, among them "Nellie Grant"—a fine Heifer, a Pet Animal Richard Harris exhibited a fine Durham Bull, "Young Jim."

H. P. McOleaver, of Two Rock Valley, exhibited "Prism," a fine Durham Bull of 3 years.

S. A. Kendall, of Santa Rosa, exhibited a splendid band of Angora Goats, eleven in number—all superior, and several very extra animals—Prince Albert, a very fine creature.

Mr. Kendall has a fine band of 400 to 500 on his farm, and sheared some 400 lbs. fleece this year.

Mr. R. also exhibited some fine Robes and Males.

Wm. Hill & Co., of Petaluma, had 4 Pens of Spanish Merino Sheep.

R. Orano showed Southdown Sheep—fine.

John Judson, of Bloomfield, had fine Olsowald and Leicester Sheep, very large also, Grade Merino.

H. Meacham showed a fine Spanish Merino Buck.

Some other lots of Grade Sheep—no Exhibitors Cards.

Wm. Hill, of Petaluma, had 3 Berkshire Sows—very fine animals.

D. Stewart, of Lakeville, showed 2 very fine Essex Hogs and 5 very fine Young Pigs.

R. H. Crane, of Petaluma, showed a Mammoth Hog of China and Poland breeds—a gigantic animal—(less than 1000 lbs.), also 3 Graded Berkshires.

S. Gibman, of Stoney Point, a fine Berkshire Sow.

G. W. Berbank, of Tomales, exhibited a very fine Berkshire Sow.

F. Skilman, of Petaluma, exhibited an Essex Sow, and Sow and Pigs of Graded Berkshires.

R. Crane, of Santa Rosa, showed a Large fat Hog—fine.

Some other lots of Swine, but not ticketed, and we omit them.

There were some 10 Coops of Poultry, of the most approved kind, many without Cards, and we note them in generally.

The show of Horses was very good, among them several fine Stallions and Racing Horses noted on the Tarl.

The Stock Parade was:

27 Stallions, Brood Mares, &c., all led: 13 Double Teams in Harrows, 17 Buggies in Harness, and 5 Saddle Horses, among them, one Percheron Horse, this is the Stock that will pay by and by.

On Saturday the Premiums were declared and paid.

This closed the Fair at Petaluma.

NEW PHOTOGRAPHIC GALLERY.

We take much pleasure in calling the attention of our readers to the New PHOTOGRAPHIC GALLERY of Messrs. W. F. & N. J. Bayley, corner of Montgomery, and Clay streets, in the New Russian Block.

Messrs. Bayley have now been engaged in this Art for Eleven Years, every year making some new discovery both in the Scientific and the Artistic departments, until now it would seem from the splendid work done in their New Gallery that they had reached almost the very perfection of the Art.

The New Gallery is in a very fine location for the general public, our great thoroughfare, there are eight fine rooms, light, airy and finely furnished and furnished.

The great Work Room for the taking of the Pictures we think is one of the very best in our City, in length, height and breadth, together with the peculiar yet admirable light upon the walls, glass that soft and delicate reflected light, that tends to bring out those strong and desirable points that go to make up a really perfect and beautiful Picture, some Pictures made under these influences that we examined were the finest we ever saw.

The other rooms are the Salubrious and Working Room. A fine Reception Room, a Dressing Room to prepare for taking Pictures, the Exhibition and Business Rooms; altogether this Establishment is so complete and so conveniently arranged, and with the admirable Machinery and the excellence of the Artists, that there cannot be any but the Best of Pictures made at this Gallery.

The Holidays are near at hand, and to avoid hurry and delay those who would send a "Photographic Picture" to their Eastern friends now is the time—apply early and the Gift will reach Home as a Happy Surprise.

ORANGE CROP.

From the Louisiana Sugar Bowl we gather the following about the "Orange Crop":

Owing to the severity of the past winter, the orange crop is this year comparatively short. Lower St. Mary and lower Terrebonne seem to have the largest crop of any sections we have visited. Already, the fruit in many places has assumed that rich, golden hue, which attracts to much attention from travelers, as it clings to the tree, nestled amidst the green foliage.

This crop, like that of rice, is destined to be largely increased in Louisiana, and Capt. Eugene B. Olivier, of this parish, who is good authority on fruit-growing says that oranges can be successfully grown anywhere in the State, by planting Mespilus or Japan plum trees among the orange trees, so that every alternate tree shall bear plum, the heavy evergreen foliage of which will protect the orange tree. As this variety of plum grows much more rapidly and larger than the orange tree, it doubt serves the purpose claimed, and it is well worthy of trial—especially as the plum trees of themselves will bring a handsome revenue.

GROWING ALFALFA.

We call attention to the Letter of Dr. Prather, on our First Page, particularly as we have invited all to Communicate with us, and to give all information they can upon the Best systems of Growing the Alfalfa. It is a well established fact, however, that a different system will be required in the different counties where the climate varies, hence the difference of opinion between the Dr. and ourselves. We return our thanks to Dr. Prather for his courteous and interesting Letter, and shall always be glad to hear from all those who desire Progress in Agriculture.

OSILI CLOVER.

Purchasers of Osili Clover at Wholesale are invited to notice the New Advertisement of Martin, Cross & Co., in our Columns, this House are large Importers of Clover and can offer it to the trade liberally.

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity in our Cause and to our State, Journals that will extend California Interests and speak of our State as she deserves, will receive our first consideration.

We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us, our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being equal.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our list (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interests of our State, and as we pay the Postage his side we all we shall continue, others will receive due notice of our declining Exchange.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of all the Routes of the CENTRAL PACIFIC, PACIFIC and SOUTHERN PACIFIC RAILROADS, with Time Tables complete, together with STEAMBOATS and their Time Tables, all corrected and complete for reference, and for all travelers.



WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to whom they purchase where they obtained the Information of their Wants?

New Advertisements.

New Advertisements.

THE
PHOTOGRAPHIC
SUN PEARL
AND
ART GALLERY,
526 MONTGOMERY ST.,
CORNER OF CLAY,
SAN FRANCISCO.

THE CORHAM
PREMIUM BROADCAST
SEEDER
AND
CULTIVATOR
COMBINED!

The Premium Corham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the State Fair at Sacramento in 1872, also at Modesto and Chico—the only places it was entered. The Corham Seeder has been awarded the highest merit that practical farmers can bestow, wherever it has been introduced. Letters from the various Agents throughout the States of California and Oregon speak of the success and the perfect manner of its working, together with the great saving of seed, time, and money in sowing and covering, even beyond their most sanguine expectations. This celebrated machine is designed to supersede all other processes of sowing and covering all classes of grain and grass seeds, as it is capable of doing a greater amount of work, and better work, with a saving to the farmer from one-fourth to one-half the ordinary expense. From many sources comes the intelligence that one of the Corham Seeders will pay for itself from one to three times the first year, and with ordinary care the machine will last for ten years. MAKE THE COMPARISON, AND BUY A CORHAM SEEDER.

Read the numerous letters from practical farmers who have used it on the Pacific Coast. Any one desiring to learn more particularly of its merits, is respectfully invited to write to any of the parties mentioned herein for such information.

MONTEZ, April 20, 73.
A. H. BUNNER.—Permit me, as well as so many others, to say something in praise of the CORHAM BROADCAST SEEDER and CULTIVATOR. Last winter I bought of W. J. Houston, of Modesto, the Sixteen Foot Seeder; after using them, I find that for saving of time, labor, seed and expense, and the perfect manner of doing the work, that I have no hesitation in recommending them to every farmer as one of the best machines in the world. Too much praise cannot be said in favor of the Seeder. Respectfully,
J. W. MITCHELL.

WALAN'S RANCH, COLUSA CO., March 5, 1873.
Messrs. A. J. BUNNER.—We have used the Ten Foot Corham Broadcast Seeder and Cultivator, purchased of you, and cheerfully testify to its merits. We liked it so well that we shall want to purchase another. We have sowed about Five Hundred acres with it this year, giving it a fair trial. If we could not replace it we would not take a thousand dollars for the one we have. The Machine will accomplish all you recommended it for. One of our neighbors has one and speaks of it in the highest terms. You can not tell it if you wish for publication.
Yours truly,
SHERMAN & VERKEER.

A. J. BUNNER, Sacramento,
Sole Owner of Patent Rights for the Pacific Coast,
At KELLER'S & Co. Ag. Warehouse,
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The character which this Magazine possesses for variety, enterprise, artistic wealth, and literary culture that has kept pace with it, if it has not led the time, should cause its readers to regard it with justifiable complacency. It also entitles them to a great claim upon the public gratitude. The Magazine has done good and not evil all the days of its life.—*Brooklyn Eagle.*

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New Invention!

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The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

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Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs, too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries.

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bugy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

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The Machine CUTS, PLANTS, and COVERS, and does the work admirably, leaving a nice finished field.

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SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

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IN LOTS TO SUIT,

Price, Five Cents per Pound

In Lots of less than a Tons. For one Tons and upwards Four Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Norton, Chico, or Wm. Van Woert, Nord, will receive prompt attention.

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Samples were exhibited at the State Fair and won the Prize. The Flour made from it also won the Premium.

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Nord, Butte County, Cal.

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One little word
So often heard,
How much from it we borrow:
And build on air
Such castles fair,
For that bright day—To-morrow.

When cares oppress
The troubled breast,
And often, when in sorrow,
We hide a tear,
Suppress a fear,
And think upon—To-morrow.

How very true—
And yet how few
Would willingly believe me,
Were I to say
That happy day
Was made but to deceive them.

This day goes by!
Although we sigh
Much from the next we borrow,
But when to day
Has passed away,
Where is our bright To-morrow.

It is not here
To dry the tear,
Nor yet to soothe the sorrow:
Why, then, do we
So trust in the
Unfold, unrolled To-morrow!

LOVE AND LIFE

Love is like a stately temple
That is founded in the sea,
Whose uprising fair proportions
Penetrate immensely;
Love the architect who builds it
Solidifying eternally.

To me, standing in the Present,
As one waits beside a grave,
Up the stairs and to the altar
Rolls the Past its solemn wave,
With a murmur as of funeral,
Undulating in the nave.

Faded phantoms glide around me
In the wrecks of hope and home;
Voices mean among the waters,
Faces wan in the foam;
But a peace, divine, unfolding,
Writes its promise on the dome.

Cold the waters where my feet are,
But my heart is strong and true,
Tuned to Hope's profound vibration,
Pulsing all the ether through,
For the seeking souls that ripen
In a patient strong and true.

Hark! the all-splashing Angel,
O the Future leads the choir;
All the shadows of the temple
Are illumined with living fire,
And the bells above are waking
Chimes of infinite desire.

For the strongest or the weakest
There is no eternal fall,
Many graves and many mounds,
But at last—the lifted pall!
For the highest and the lowest
Blessed life containeth all.

Oh thou fair unshaken temple!
In unshaken thou art begun,
Love, the builder, shapes and lifts thee
In the glory of the sun;
And the builder and the builded
To the pure heart—are one.

—Harper's Magazine.

KIND THOUGHTS.

Let us cherish a memory for pleasant things,
And let all the others go,
Its power by giving "do for" it
That we touch the heart of a foe;
It is not by dwelling on faded wrongs
That we feel their sting grow less;
And malice once entering the heart is sure
To crush out all tenderness.

Forgive, forget, though the wrong be great,
And your heart be stricken sore;
For thinking of trouble makes it worse,
And the pain is all the more.
Do kindly things to your neighbors, even
Though they do not seem to you;
Though they be wrong, unjust, unkind,
Keep your own heart ever true.

The heart is a garden, our thoughts the flowers
That spring into fruitful life;
Have care that in sowing there fall no seed
From the weed of cruel strife.
Oh! loving words are not hard to say,
If the heart be loving too;
And the kinder the thoughts you give to others
The kinder their thoughts of you.

—Hope Arthur.

A colored philosopher thus unburdened himself on one of women's weaknesses: "Jim, de men don't make enuf fools of demselves about women as de women do about men. If women looks at de moon, dey see a man in it. If dey hear a mouse nibbling, it's a man; and dey all look under a bed de first thing at night to find a man. Why, I nebbber look under my bed to find a woman; does you?"

A Pennsylvania girl agreed to kiss a young man every night for two years if he would quit smoking. He made night's pilgrimages to the garden gate for six months and collected the promised sweetness, but she has taken to onions and garlic, and he is getting thin.

Home Correspondence.

For the California Farmer.

HOMOECULTURE.
NUMBER TWO.

Our District Fair closed this morning, financially, it was a success, whether it was beneficial or not in other respects remains to be seen. The people who thronged to witness its marvels are now scattered—men, women, and children, they have departed to their homes, either better or worse for their association together here. Some very fine Stock was exhibited, and many valuable articles of Hand and Machine work displayed. The Address was very good, yet I could not help wishing that a few words at least could have been said in regard to the raising and cultivating better breeds of human beings. Prominent in the Rules published by the Society regulating Entries, I noticed the following: "No Animal will be allowed to compete for a Premium unless free from disease or blemish, which can be transmitted to Posterity." How many human beings among those congregated could have been allowed to compete for Premiums?

We can all perceive the immense advantage to Stock-raisers of experiments in the breeding and rearing of the lower animals. Men engaged in this business study all that the best scientists have to say in regard to the most improved methods. At our State and County Fairs different kinds are shown, proving conclusively that it pays well to raise none but superior breeds of animals, whether for market or farm purposes. Where are the men and women wise enough to profit by this inevitable law of descent in regard to human beings? Persons of culture are beginning to talk, and write, and compare ideas upon this most important subject. In the current volume of *Every Saturday* date Feb. 22d, is a reprint of an article in *Fraser's Magazine* upon "Hereditary Improvement" by Francis Galton. (I hope it may be reprinted again and again until public attention is fully awakened) to the fact that, for any radical improvement of the human race, we must begin at the foundation. We must improve the stock—we must in some way form a "Royal Society"—this is the phrase used by a friend who sent me this article—for the production and nurture of Nature's nobility. How this can be best commenced and accomplished is a question deserving the most serious, earnest and respectful attention of rational men and women.

In the childhood and youth of the world this topic was one which few dared openly to discuss, now, we may hope that it will receive the investigation and attention which its importance demands—something must be done, different from anything now doing, to improve the human race, physically, mentally and morally, or a worse calamity will befall it, than has ever before befallen the earth, in the shape of fire, flood, famine, or pestilence. If man had no higher life than that which he enjoys in common with animals this selection and culture would seem necessary, but when we realize that he is born to live forever, that our life here is comparatively the beginning of an endless existence, and that inherited qualities of soul, mind, and body, must continue to be either our blessing or our curse forever, it behooves us to consider well this subject in all its bearings upon the interests of humanity. If human beings were rightly formed they would need much less of ten to be, with so much labor and effort, reformed—if they were generated in right conditions they would be regenerated with much less of sorrow, sin and suffering.

MARGARET.

Petaluma, October 11th, 1873.

WOMAN'S PERPLEXITY.

BY CLARA AUSTIN.

NUMBER FOUR.

"It would be a curious problem for a woman to find out, from the average expression of mankind, what really is required of her—the riddle of the Sphinx would fall into insignificance beside it. At present she wanders in hopeless darkness, she has been led through so many labyrinthine mazes that she has lost all clue to the truth, man adores helplessness, and says it ruins him—he cries out against frivolity, and runs away from brains—he moans over weakness, and ridicules strength, he condemns fashion theoretically, and the lack of it practically, he longs for sensible women, and passes them by on the other side, he worships saints and sends them to convents, he despises pink and white women, and marries them if he can, he abuses sills and laces, and takes them to his heart, he glorifies spirit and independence—and gives a cruel thrust at the little vines that want to be oaks, in short he refuses to be pleased with anything, unless it is himself, then adulates himself to "divine woman," calls her a general angel—St only for an enchanted paradise, and created for the express purpose of waiting upon him, soothing his sorrows, sewing on his buttons, crowning his happiness, and making him universally miserable. What would the critical lords like? Solve the problem who can."

Mr. Editor.—I found the above extract in an old scrap book. It amused and interested me, there was nothing to indicate the source from which it came, and I wondered if one of the "critical lords" had been so "atrociously minded" and generous as to admit a truth which our sex so fully realize. However, the fact will remain the same—whoever said it. The writers closes by saying, "What would the critical lords like?" Solve the problem, who can?

Now I know of no rule of science or common sense by which to solve such a paradox, I can only look for the causes and remedies, I will not stop to hunt up the causes of such inconsistencies—they are of the past—the result is of the present.

If it is impossible to please the "Lords of Creation" (or rather to keep them pleased) let us appeal to our own ideas of consistency and then act upon them in our own proper sphere.

This is a fast age, the world judges from ap-

pearances, and seldom stops to look beyond the surface, which is often so beautiful that it has captivated the fancy, leaving the judgment to discover its mistake when the object fails to interest. Fashion rules, and is arbitrary—though she showers upon us her gossamer fabrics and floral ornaments, yet she holds us with an iron hand. I believe that a woman should be interesting, in order to interest a man who is capable of being pleased with anything "unless it is himself," but the present fashions are so elaborate and complicated that it leaves little time for reflection upon any other subject.

How amazed mother Eve would have been when she started out with a fig leaf, if she could have peeped into one of our fashionable ladies' wardrobe. Admirable style and elegance of dress when appropriate, but more simplicity will not detract from beauty, and would leave time to reflect and act upon matters which would cultivate the heart and soul, add to the beauty of expression and make us more interesting as companions, and useful as women.

I speak from experience, for I have sometimes been so absorbed in trying to decide about a new hat, that I could think of nothing else, and when I put it on (notwithstanding it was a long distance from my face) the only expression I could discover upon my countenance was the one idea of a new hat. I meet with that want of expression on many a beautiful face, resulting from this study of self in regard to personal appearance. I would by no means be indifferent to dress—but let us aim to interest as well as please.

TWO HOMES.

A Story for Mothers to read and profit thereby.

The little white cottage on the hillside seems strangely silent to-day. There is no sound of childish laughter or merry song; even the birds in the tree-tops seem to think it is Sunday, and to modulate their songs accordingly. As you enter the quiet sitting-room, you learn the cause of the unusual stillness. The children—two boys of twelve and eight years and a girl of ten—are all there; and they inform you in subdued tones that "mother is sick to-day, suffering from a severe nervous headache." There is no appearance of confusion or disorder about the house. The boys have swept the floors and dusted the furniture, prepared the dinner, and cleaned away the table; while the little girl waits on her mother, carried the cooling draught, or bathes the throbbing temples. The invalid thanks you when you offer assistance, but says, "the children are so kind and thoughtful that we need not trouble any one else."

In another home not far away, you learn as you enter that "mother is sick to-day." Here are three children—two girls, aged fourteen and twelve years, and a boy of nine. The appearance of the house is in direct contrast to that of the one you have just left. It is nearly ten o'clock, yet the dinner dishes stand unwashed on the table, the floor is unswept, and nearly every chair is burdened with books, toys or articles of clothing. The eldest girl is trying in a hopeless sort of way to mix some biscuits, for "father thinks he must have warm bread for supper," she says. Her sister is cutting out dresses for paper dolls, and singing at the top of her voice. The boy is dragging a little cart about the floor, and trying with a tin whistle to imitate a locomotive. The poor mother, whose nerves are racked with pain, lies within hearing of all the noise, and knows but too well how things are going on in the kitchen.

After reading what assistance you can, you return home to meditate upon the contrast presented by the two homes, and the reason therefore.

In the first instance, the mother has always encouraged her children to perform such household duties as are suited to their age and strength; not merely such as would most "save her steps," but those in which they take so interest, and for the right performance of which they are held responsible. This is not only a convenience to her, but a pleasure to them; and now, when she needs rest and quiet, she can yield up her cares to them, well knowing that they will be faithful to their trust.

In the other case the mother has always preferred to do her work herself, without having her children bothering around. "If they are only out of her way and the coast clear, she can do up her work just as it should be done." When they are not in school the time hangs heavily upon their hands, and it is no wonder that they sometimes get into mischief, which makes more trouble for their mother than furnishing them with suitable employment would do. But when sickness comes, and she must yield the reins of household government into such miserably inexperienced hands, she sees the mistake she has made. Will she be any wiser in the future.—*Martin in New England Farmer.*

If God had not done so much for us already, we might question his intentions concerning us; but after the goodness and the mercy he has manifested, surely he will go through with it, and perfect the work he has begun. He has spent too much upon his work to relinquish it now.—*Spurgeon.*

A fond mother in Norwich, Conn., gave her five year old hopeful an outfit of fish tackle. Soon she heard a shout from Willie, and, running out, found one of her best boys fast winding up the line in her crop, whether the hook had already proceeded it. Willie, observing the troubled look of his mother quietly remarked: "Don't you worry mother, I guess she will stop when she gets to the pole."

"How much are these fearful bulbs by the quart?" asked a maiden of a White street grocer one morning. He stared at her a moment, then recovering himself he said: "O, them fungus; eight cents."—*Danbury News.*

If you wish to marry suitably, marry your equal.

HENRY WARD BEECHER AND THE BIBLE.

No matter how infidel philosophers may regard the Bible; they may say that Genesis is awry and that the Psalms are more than half false impressions, and the Prophets only the fantasies of brain-bewildered men, and the Gospels weak quotations of an impostor, and the Epistles of a mad Jew, and that the whole book had had its day; I shall cling to it until they show me a better revelation. The Bible emptied, effete, worn out! If all the wisest men of the world were placed man to man, they could not sound the shallowest depths of the Gospel of John. O philosophers! break the shell, and fly out and let me hear how you can sing. Not of passion—I know that already; not of worldly power—I hear that everywhere; but teach me, through your song, how to find joy in sorrow, strength in weakness, and light in darkest days; how to bear buffeting and scorn, how to welcome death, and pass through its ministrations into the sphere of life; and this, not for me only, but for the whole world that groans and travails in pain; and until you can do this, speak not to me of a better revelation.

WOMAN'S INFLUENCE OVER MAN.

Where is the man of parts and principles who has not been managed by women? What hero of the past (the present is slow to recognize its heroes) has not had his heroine, even though she be not so recorded?

Pericles was managed by Aspasia in everything that added to their greatness and to the glory of Greece. He was proud to admit his indebtedness to her. She helped him to his pedestal, and drawing her after him, he crowned her with laurels, and proclaimed her a goddess fit for the Parthenon. He has no fear of being thought inspired or guided by her; for he was a lofty leader of lofty men, standing so high that he heard the uttered wisdom of Olympus.

Hyperides, the rival of Demosthenes, was so managed by Pnyx as to render his effort in her behalf the crown of his eloquence. The beauty of the woman flashed into his thought; the symmetry of her form swept through his sentences, and she stood acquit by the power of her reflected loveliness. Caesar and Antony knew from the first what a siren Cleopatra was. The great Julius saw her consummate management when she rose, like a rare aromatic flower, from the bale the swarthy Sicilian had brought. He felt the presence of the splendid apparition kindling a new destiny in his veins, and he advanced to meet it with open arms. Unfortunate as her influence was in many respects, she must have answered in some way to his noblest nature. No woman, not even Egypt's enchanting queen, could have retained him for years, unless she had awakened that which was best in him; and most promising for the future.

Antony, magnificent rowdy that he was, deflected the management of Ptolemy's daughter while she rowed up the Orontes with silver oars, to obey his summons, as the goddess of youth and love. To live in luxurious effeminacy with her, he sank the Spartan element that was in him, and drew the Sybarite to the surface. How supreme must have been the tact which could rivet to her side the sturdy soldier and enthrall him with voluptuousness while he saw his Roman veterans disavowing their allegiance in favor of Octavius, and the empire he had gained by mighty prowess and hardihood crumbling under his dazzling eyes.—*Julius Henry Browne, in the Galaxy for November.*

THE DEMAND FOR HEALTHY WOMEN.

Public opinion seems to be sitting in favor of strong and healthy girls. Pale faces are not thought so interesting now as days as they used to be. A sneer goes round at the inefficiency of feeble women who work for a living and ask for good wages. Young men ridicule the idea of tying themselves for life to the sickly girls who exhibit loads of expensive dry-goods upon their persons along the sidewalks and they beguile to praise openly rosy cheeks and stout figures. Indeed, it seems as though the pale and weak young ladies who, if they were no practical use in the world, were at least admired and praised on account of their pallor and languor, were going to have a hard time of it now. We had better not raise any more girls of that kind. I will not advocate any heathen practice of putting feeble infants to death, but I would strongly urge that more care be exercised to prevent our making feeble women of healthy infants. The subject demands the immediate attention of parents. Something must be done to save our daughters from unhappy lives and from becoming acknowledged burdens to society.—*Faith Rochester.*

A TOWEL FOR EACH

It is not uncommon, in country houses, for all the members of the family to use the same towel for wiping their hands and faces. I am often surprised to see how this practice prevails, even among people of considerable cultivation; frequently the towel is made of three yards of good cloth, sewed together at the ends, and hung over a roller. This seems very generous and nice when it is clean, but not so after it has hung there two or three days, used morning, noon and night by half-a-dozen persons. We may be able to endure a great deal of our own dirt, when we are obliged to, but it is not a world of delicacy that shrinks from using a towel soiled by other persons. Each human body gives forth its own peculiar exhalations from every pore of the skin, waste matter, pure or less filthy, so it is not merely the impurity derived from external sources that we wash and wipe away when we perform our ablutions. It is also this one's dyspepsia, that one's biliousness, the other one's tobacco-urge! Give me a clean towel, please! And please give over child its own towel and its own comb as soon as it is old enough to use them; and now I want to add—please, O fellow citizen give every human being a chance to wash the whole body, privately, whenever one wishes to do so, in a comfortable bath-room, with plenty of hot and cold water, and a good bath-tub, and all the clean towels desired.—*American Agriculturist.*

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30-3 SANTA CRUZ.

Miscellany.

CHARGE OF THE "LONG BRIGADE."

(Posted in the New York Stock Exchange and duly appreciated by its members.)

One per cent, five per cent,
Ten per cent downward,
Into the Stock Exchange
Rushed the six hundred.
No time to reason why,
No time to make reply,
Selling! call! the only cry
Into the Stock Exchange
Rushed the six hundred.

Brokers to right of them,
Brokers to left of them,
Brokers in front of them
Bellowed and thundered.
Bulls could not stem the tide,
Bears could not run or hide,
Fow laughed, but many cried!
Into the Stock Exchange
Rushed the six hundred.

Oh! what a sight was there!
Arms lifted high in air,
Tearing each other's hair—
Outsiders wondered!
Nothing would do but sell—
Lower the market fell,
"Who can this tempest quell?"
Half of them thundered,
Out of the Stock Exchange
Rushed the six hundred.

"Shut up the doors!" they cry—
"Stop not to reason why!"
Banks will not certify;
Some one has blundered!
Ruined those who planned the raid,
Ruined those whom fortune made,
Ruined henceforth our trade!
All have been plundered,
Save us from want and care!"
Gripped the six hundred.

Closed were the doors that day,
Closed on that fearful fray,
Closed on that Saturday,
When some one blundered.
May it this lesson teach—
"Go not beyond your reach!"
When all this motto preach
Friends are not sundered.
Back to the Stock Exchange
Come ye six hundred!

ANNEXATION.

Old Boston sits on the rim of the hub,
And watches the spokes go round;
"These outside fellows are tired," says she
"With rolling over the ground."

"There's Brooklyn, Brighton, West Roxbury,
And Charlestown deep in the mud;
Such fine, smart fellows I really declare
It's enough to stir one's blood."

"I scarcely know how the thing will work,
"But I've half a mind to begin,
And see if the wheel won't run as well
If I quietly gather them in."

"Yes, I'll gather them in, I'll gather them in,
I've gathered in two before;
The thing works well, with a bigger hub,
And I may as well gather in more."

So she stretched out her hand to the outer rim,
Gave a gentle, childlike grin,
And wherever a fellow yearned to come,
She graciously gathered him in.

New York, Chicago, St. Louis came,
Sacramento, Shanghai and Peking,
Calcutta and Cairo, Venice and Rome,
Vienna, Paris and Berlin.

St. Petersburg, Stockholm, Amsterdam,
And London, Chelsea and Hell—
She gathered them in to the very last
Till her measure of joy was full.

What a hub was there! Why the very moon
Changed the orbit in which she whirled—
But the trouble was, when the thing was done,
There came an end to the world.

BILLINGS-ISM.

There is no care for vanity, gilding thereby wet cum
the nearest to it for the time being.

Mummy makes mummy. We all or us take our korn to
the rich miller law bar it ground.

There is two kinds or wins people in this world, the
wise and the unwise.

If I can get the fashions for a people, I don't care who
makes their laws.

The rich spend their time in kroatting wants, the poor
in gratifying them; the poor are the most sensible.

The man who is the most afraid to die, is the one who
knows least how to live.

I had rather be a boy again, than to be the autokrat
of the world.

I lov few watch the sports of children, they kant be
children but once, and then but a short time.

Experience teaches a good many things, but dont learn
a but a few.

A Virginia city (Nevada) man is said to have
invented an ingenious plan of keeping his house
clear of insurance agents and similar nuisances.

On one side of the path leading to his door, he
has fixed several sections of water-pipes, filled
with small holes, and on the approach of a sus-
picious character a tap is turned, and instantly
countless jets of water collide the path in all
directions, and effectually keep the invader at
a safe distance.

A good little boy in St. Albans, told his big
brother that if he would put his toe upon the chair
he would cut it off. His big brother laughingly
complied, when the little fellow chopped it off with
a hatchet. The good little boy couldn't tell a
lie, and will probably have his head put on post-
age stamps a hundred years hence.

CARRYING TOO HEAVY A LOAD.

The Danbury News that is always telling a
Capital Story, has the latest invention for a side
splitter:

"When you are carrying several articles and one of
them slips, it is best not to try to recover it. An Essex
man named Roberts was helping his wife prepare the
dinner-table on Sunday, as one of the deacons were to
take dinner with them. Roberts took a plate of steak
in one hand, and had a dish of peas on the arm with the
steak. The wind blew the sliding room door to as he ap-
proached, and putting out his foot to push it back, the
arm with the peas moved out of plumb, and the dish
commenced to slide. A cold streak rushed up Robert's
spine, and his hair commenced to rise, and he felt a sud-
den sickness at the stomach, but he dodged ahead to
save the peas, partly caught them made a move, lost
them again jabbed at them with the coffee pot and up-
set the steak dish, and on springing back to avoid the
gravy, slipped on the cat that belonged to the family
down stairs and came to the floor in a heap with peas
and steak, with a terribly mad cat under him, and an
overflowing pot of coffee on top of him. Then he bounded
up and stamped on the steak dish, and picked up the
other dish and threw it out the window, and finished
that performance in time to throw the coffee pot and
the remaining content after the cat, which was making
the very best time down the front stairway. The dea-
con didn't stay to dinner. Roberts retired to the bedroom
with a bottle of sweet oil and a roll of cotton batting,
and Mrs. Roberts went over to her mother to cry."

CLIPPINGS.

When you hear a man say the world owes him
a living, don't leave any hams laying around loose.

An amateur farmer wonders "why on all this
fair earth the ground is spread bottom-side up, so
that it must be turned over with a plow before
it can be raised."

A Judge at Montgomery, Ala., recently inter-
rupted a very flowery young orator with—"Hold
on, hold on, my dear sir! Don't go any higher!
You are already out of the jurisdiction of this
Court!"

Punch thinks that if a young lady wants to
keep her hands free from cusps, all she has to do
is to dress in the present fashion, and let it be
known that she has no money; chaps, especially
sensible chaps, will then let her hand alone very
severely.

A clergyman lately said that modern young
ladies were not the daughters of Shem and Ham,
but of hem and sham.

"What is your business?" asked a judge of
a prisoner at the bar. "Well, suppose you
might call me a blacksmith."

"When did you last work at your trade?"
"Last night when I heard a call for the per-
lice and I made a bolt for the front door."

Scene in court: Judge—"Have you anything
to offer to the court because sentence is passed
on you?"

Prisoner—"No, Judge; I had ten dollars, but
my lawyer took that."

We overheard the following between two bell-
boys at the Fifth Avenue Hotel, recently: Pat
asks Mike, "What's this suspension of the
bells?" "Hist ye!" Mike replies, "I'll tell ye.
Suppose ye had five cents." "Ye." "Leave
it wid me." "Ye." "Next day you want it,
and ye ax me for it." "Ye." "I tell ye, 'No,
sir, I've used it meself.'"

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE

With a wish to promote and encourage extensive Trav-
eling over our glorious State, we shall point out to the Trav-
eler on the leading routes the best Hotels, and most ac-
commodating and comfortable Homes for those who Journey
for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal route
leading to the Geysers, to Sacramento, to Stockton, the Big
Trees, Yosemite, the Alameda Mines, and the most beautiful
region around our city—we can truly commend them of
whom we speak from personal knowledge, and shall speak
of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The apa Hotel..... Napa City.
Callisto Hotel..... Callisto.

BIG TREES OF CALAVERAS.

Via Western Railroad and Copperopolis.

Yosemite Hotel..... Stockton.
TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.
SAN JOSE, ALMADEN MINES, &c.

The Anselmi Hotel..... San Jose
BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.
Clark & Morrell's Hotel..... Clark's Station.

YOSEMITE VALLEY.

Hutchings' Hotel..... Yosemite Valley
MARIN COUNTY.

Marin Hotel..... San Rafael.
Travelers who are strangers can rely, that at these Hotels
they will ever find the best and kindest attention and court-
esy, and will never be imposed upon by exorbitant charges.

BOUND VOLUMES OF FARMER

We are now prepared to offer the Back Vol-
umes of the CALIFORNIA FARMER to all the desire
to secure the only record of the Rise and Progress
of Agriculture on this Coast.

Our Public Institutions both at Home and
Abroad, and large Private Libraries, will find in
these Volumes matter appertaining to the great
interests of our State, which cannot be found in
any other work on this Coast.

We can furnish back Volumes in sheets or
bound, having reserved some copies for the
special purpose of Libraries, etc.]

Apply at the office. WARREN & CO.

To Land Companies, Gentlemen and Ranch
Holders.

Wanted employment by a first class English Farmer, 14 years
experience in management of Cattle, Sheep, &c., Steam and
other Machinery, with good practical knowledge of Irrigation
and Laying out Estates.

Address to GEO. MANNERS, 320 Clay St., San Francisco

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental.

At greatly reduced prices from the cost of natural
cut stone, fire-proof and enduring

ASHLE, COPING, SEPS,
MONUMENTS, GRAVESTONES,
BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of
other cut stone. Vases, Urns, Fountains, Tiles, Bridge
Piers, Foundation Stones, in fact work of any and all de-
scriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White
and Black Travertine, French Grey, etc.
Architects and Builders are particularly invited to examine
our Stone and Prices before engaging other building material

JAMES GAMBLE, President.
R. WEGENER, Secretary.
Office, 414 California Street.

Office and Works, 114 Mission Street, bet. 4th and 5th,
SAN FRANCISCO.
39.31 V. CUSHING, General Superintendent.

Cashmere Goats.

The undersigned desires to call the attention of all
who want to purchase choice CASHMERE GOATS to
the large and fine herds he has for sale.

He has on hand and now ready to deliver

Pure Bloods,
Half Blood, and
All Grades up to Pure.

These Goats are of superior form and beauty, and will
be offered as may be wanted by purchasers. They can
be seen at the farm of the undersigned, located four
miles from the Railroad Depot.

For further particulars, address

N. GILMORE,
Eldorado, Eldorado Co.

N. B.—The undersigned can particularly refer to the
Editor FARMER for the excellence of his Band of Goats,
the Editor can also give particulars. N. G.
37.17

RANDALL'S GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.01; by Mail or Ex
press, charges paid, \$2.50. Send orders to the Farmer
WARREN & CO.

Grain and Potato Bags.

800 BALES NO. 1 STANDARD DOUBLE
Sewer Calcutta Gunny Bags, 250 each.

100 Bales Imitation Gunny Bags, suitable for Onions and
Sweet Potatoes.

6 Bales Large India Pack Bag, suitable for Char-
coal, etc.

300 Bales of Hand Sewed Wheat Bags, 1000 each, 22x36
and 24x36.

1900 Bales of Retort Wheat Bags, from Liverpool, nearly
as good as new, 250 each.

—ALSO—

400 Bales of Harbour Bros. Celebrated Twine, 2, 4, 5, 6, 7
and 8-Ply.

For Sale in Bond or Duty Paid, By
REYNOLDS & CO.,
313 & 315 Davis Street

THE INFALLIBLE COUGH AND CONSUMPTION CURE!

As a remedy for Coughs, Colds, Soreness or
Pains of the Chest, Whooping Coughs, Phthisis,
Bronchitis, Asthma or Consumption the INFAL-
LIBLE COUGH AND CONSUMPTION CURE has no
equal. In cases of Consumption the patient
should take in consideration the condition of
the lungs. If they are too far gone, of course
a perfect cure is impossible, although in many
cases when Physicians have given up all hopes
it has effected perfect cures. Sometimes Phy-
sicians are mistaken. The best proof of that is
to try three or four different ones, and in nine
cases out of ten every one of them will have a
different opinion and prescribe different reme-
dies; so before giving up all hopes give the
INFALLIBLE CURE a fair trial. If there is a pos-
sibility of a recovery, the patient will not re-
gret using the INFALLIBLE COUGH AND CONSUMPTION
CURE. It acts as a stimulant and a light
expectorant, but its virtue, its strength and its
wonderful effect on the lungs is centered in its
great healing powers, allaying irritation, soothe-
ing and healing the lungs, thereby promoting a
free and easy respiration, and a permanent
cure. For Coughs or Colds, Chronic, long-
standing or of recent construction, the INFAL-
LIBLE CURE is acknowledged by all who have
used it to be far superior to any remedy ever
placed before the public, acting directly on the
mucous membrane, it cuts and loosens the
phlegm, which by a free and expectoration
from the lungs, relieves the patient almost im-
mediately. Recent Colds are cured in from
One to Three days.

W. H. H. WHITE, Proprietor,
1233 Pacific St., San Francisco.

CHAM & BRIGAM, Wholesale Agents,
San Francisco.

For Sale by all Druggists.

50.4

MAIN & WINCHESTER, SADDLERY WARE.



Have on hand the finest and best Assortment of

HARNESS, SADDLES, COLLARS, SADDLE TREES, LASHES, ETC.,

over offered on the Pacific Coast. We particularly
call the attention of the country trade to our exten-
sive assortment of Harness adapted for Farming and
Teaming use, and also to the Collars of our own
manufacture, which we guarantee Superior to any
other Collars manufactured.

We are prepared to supply the trade, with any
goods in our line at the very lowest prices for Cash or
approved credit.

Traders will always receive careful attention.

Nos. 214 and 216 Battery street.
SAN FRANCISCO.

39.17

A FINE HOME FOR SALE.

A very fine located Farm or 196 Acres of Choice
Land, about one mile from Calistoga, in Napa
County.

Forty Acres of this Land is cleared and fenced,
Living Streams of Water run through this Farm, and
abundance of Mountain Trout are in these streams.
Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12
by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair.
On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best va-
rieties in bearing, with 20,000 young vines in nursery
of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries.

and abundance of Vegetables of all kinds.

On the Farm there are 8 Horses, 1 Cow, 12 China
Pigs, a new 4-horse Wagon, a new Cart, Bugy and
Harness complete, and all kinds of Farming Tools
needed for a well kept Farm.

There are other valuable items and properties con-
nected making this place one of the most desirable for
a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the
State, which is the only reason for offering the place
for sale.

The Farm and Buildings with Stock and all com-
plete will be sold at a Great Bargain if applied for im-
mediately.

Address L. B. S. at the FARMER OFFICE for
4 weeks from this day, as the place will be sold
quickly.

39.24

TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every
facility to Farmers who desire to ship their produce
abroad.

We will advance liberally on any shipments, only
charging interest at the rate of 5 per cent. per annum.
Freight at the chartered price paid the ship, Insurance
and other charges at the lowest rate obtainable, thus
netting the shipper the full value of his crops, while
paying the lowest interest for his funds.

Any further information desired will be promptly
furnished.

J. C. MERRILL & CO.,
204 & 206 California Street,
SAN FRANCISCO.

39.15

POSTERS, CARDS, CIRCULARS.

BOOK AND JOB PRINTING.
PROMPT, CHEAP, and GOOD,

At the LARGEST PRINTING HOUSE on the Pacific
Coast, the

COMMERCIAL STEAM MAMMOTH PRINTING HOUSE.

No. 617 Clay Street,
FRANCIS & VALENTINE,
Proprietors.

53-1

THE CALIFORNIA FARMER.

Our FORTIETH VOLUME of the FARMER com-
mence with this issue and we invite our
friends to send us their names and Four Dol-
lars and we will send them the FARMER for the
balance of this year and the following year also
thus giving them over fifteen months for one
year, making it the Best and Cheapest Journal
on this Coast. We trust we shall have a liberal
addition to our Subscription List, for our FORTIETH
VOLUME as a cheering stimulus in our long con-
tinued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE,

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE

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The following are our Terms
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Single Copies.....	\$4.00
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TWENTY YEARS,

Circulates over the whole Coast, in every part
of the United States and largely in Europe,
Mexico and South America.

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LIBERAL RATES FOR GOOD RELIABLE
EDUCATED MEN AS TRAVELING

AGENTS!

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BRYANT'S NURSERY, &c.,
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We send out Good Stock, well
packed, Try us.
Special inducements to Nurse-
rymen and Dealers.
Bryant's Forest Trees, propa-
gated for \$1.50
Send for latest Book List
Address A. Bryant, Jr.,
Palo Alto, Cal.

40.1

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

Correctly Weekly by Editor FARMER.

SAN FRANCISCO, Nov. 12, 1873.

MONEY AND EXCHANGE TABLE.

Exchange on England	106 1/2
Price of Gold	107 1/2
Value of Greenbacks	12 1/2
Value of Wheat in Liverpool	12 1/2
do do New York	12 1/2

Money at the Bank of England, has advanced rates per cent.

Confidence not yet restored, and Banks are doing business in New York very carefully.

Money in San Francisco not so abundant and not easy to be had. At Bank 1 and 1/2 per cent—Large and long loans are 9 and 12 per cent. Some carelessness still had in loans, owing to troubles in New York, but a better feeling is looked for.

GRAIN AND FLOUR MARKET.

The Grain market is so much affected by the uncertainty, as the thermometer is affected by the currents of hot and cold air that blow upon it.

Wheat has stopped coming forward, and but little doing and yet prices have advanced in Europe, Freight is lower than for two years, and all in favor of the shipper, but the market has stopped, exchange cannot be sold except at a very low rate as to result in a greater loss than gain from the rise in price and fall in freight, therefore, the fall comes, and the price declines in wheat, were it not that there is a good demand for milling, and flour in demand trade would be slow.

Barley is in good demand for the brewing quality, and it is bought readily at full rates for shipping Food Barley is not so brisk.

Oats are in good demand at full rates, Corn is dull and prices are lower.

Black-wheat is in good request, at full figures, Rye not so much wanted.

Corn Meal not in demand and price nominal.

Koeds—These are now moving, Alaska takes the lead, it will be planted largely this year, and will be put in earlier, a large amount has been grown here, and a cargo of Fresh Chili has just arrived—prices are low now, but will be higher.

Mustard Seed is very low now, what comes to market is soon taken and sent East. Other seeds are proportionally low.

The Wool market may be said to be in Stagnation, there is no sale for wool either here or in New York unless at a very low figure. Our advances from the East are dull, and prices low—Wool will keep well, and surely pay a good 9 per cent. per month for 6 months to those that buy and hold, the clip this year, spring and fall will approach 37,000,000 lbs., and is fast piling up on our market, although it had been said to have been sold and out of the market.

Hay and Feed Grains all in good supply, they are coming in freely, and go off freely at full rates.

Hops are not so brisk, previously the East bought freely at good prices, and low were sold here, all large lots went East, now by reason of the great stringency of the money market, sale for the East are checked, and stocks will accumulate here, and prices decline.

Hides dull. Tallow stronger prices. The Leather market steady, no market East for Leather.

Potatoes come in very freely, and prices advance a little. Onions are not so plenty, and prices advance a little.

Money and Business in plentiful supply. We have just learned that the largest lot of 30,000 lbs. taken East to Chicago by J. B. Harrison, the Sea Man, arrived there in fine condition, sold readily at good prices. Mr. H. has returned, and with another Car Load will "Try Again"—success to his Sea Zeal.

WHOLESALE GRAIN REPORT.

Wheat California, 100 lbs. Coast	2 10
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Retail Prices in the Fruit Market.

The Fruit market is in rather better condition than last week—more Peas and Beans Apples, and a much better showing of Grapes.

We have now a goodly show of Foreign Fruit, Oranges, Lemons, Limes, Bananas, etc. We have also quite a large supply of Apples, and other Figs fresh hold out. Note of all kinds are plenty—so a good "Desert" can be made.

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FISH.

LARKIN, CATANIA & SPOFFORD.

1012 1/2 California Market.

The Fish market is now better and more fully supplied, and our grand Salmon coming more plenty, and lower in price, while other kinds are plenty at reasonable rates.

Salmon, 100 lbs. 37 1/2

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CALIFORNIA LEATHER, HIDES, &c.		
California Sole Leather	27	30
" Skirting	30	35
" Bridle Leather	44	50
" Oak Tanned	23	25
" Hemlock	70	100
" Kips per dozen	45	60
" Leather per foot	17	19

GRAIN, WOOL, POTATO BAGS, &c.

Hand Sewed Bags, Standard, 22x36, 12 1/2 x 13 cts.

Second Hand, No. 1. 11 "

" for Barley, 10 "

Machine Sewed, 22x36, 13 1/2 "

" 20x36, 12 "

" Mustard Seed, 24x30, 20 "

Potato Gunies, new, 21 "

" 2d hand, 16 "

San Francisco Cattle Market.

ATLAS & LAUGHER'S PRICES

Beef—American, 1st quality, 5 1/2 @ 8 1/2

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CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XL.

SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, NOVEMBER 20, 1878.

NUMBER 8

The California Farmer

AND

Journal of Useful Sciences.

PUBLISHED EVERY THURSDAY EVENING.

BY WARREN & CO.

326 OFFICE—No Clay St. (opposite) Tel. 1c

SAN FRANCISCO.

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VILKORINSKY, ANDRIEUX, Co. Seedmen, Paris.

Advertisements and Subscriptions must be paid for in advance. Payments in Gold or Silver.

All letters on business connected with the office should be addressed to "WARREN & CO., PUBLISHERS."

STOCK RAISING.

IMPORTANCE OF USING THE BEST-FORMED THOROUGH-BRED MALES.

In looking over the sales and lettings of rams in Great Britain, for the present season, we find that long-wool and Down "tups," notwithstanding their multiplication during the last fifty years, have made them the common sheep of the country, have realized more than double the prices they command in this country. We suppose it must be generally admitted by those who have attended to the history and practice of breeding domestic animals in Great Britain, that their unquestioned superiority is to be attributed in a large degree to the liberal prices which the services of well-formed males have always commanded; a fact which encourages intelligent and skillful men to invest their money and devote their time to the business of developing the highest possible excellence in the different breeds. And while this liberal practice has thus tended to increase the general excellence of the live-stock of the country, it has never failed to make liberal returns to the enterprising farmer for the money expended to secure the use of the best male animals for breeding.

Take, for illustration of the benefits of the practice, the case of a breeder who has fifty Merino ewes. A ram called well-bred may be had as low as ten or fifteen dollars. But if there is not some question as to the purity of his blood, there will be a defect in form or fleece. He will be flat-sided, steep and narrow in the rump, with low and long neck, while the wool is thin and of irregular quality. For fifty to a hundred dollars, a ram may be had of the purest blood, of a breeder of known reputation and standing, with a full, thick, even fleece, broad, straight and compact in form, a carcass that will pay in the production of mutton as well as wool. Now which should the wise and prudent farmer select? The principle is, that like begets like. Your lambs, as a general rule, will resemble the sire—will have the full, even, thick fleece, with the broad, straight back, rounded rib, short, thick neck, etc., if you select the ram last described, or the reverse of all this if you take the cheap one. Will not the difference in price be realized from a single crop of lambs? Not this is not all, the defects or excellencies imparted to your ewe lambs will tell upon their progeny for generations to come.—*National Live Stock Journal.*

TANNING HIDES.

"Daddy," said a hopeful urchin to his paternal relative, "why don't our schoolmaster send the editors of the papers an account of the lickings he gives the boys?" "I don't know, my son," replied the parent; "but why do you ask such a question?" "Why, this paper says that Mr. B—— has tanned three thousand hides at his establishment during the present year, and I know that old Grimes has tanned our hides more than twice that many times; the editors ought to know it."

THE AMERICAN CHIEF.



PREMIUM GANG PLOW.

THE JAPAN SILK TRADE.

Referring to the silk trade, the *Japan Mail* states that the season of 1873-3 closed with a total export of 14,428 bales against 14,635 in 1871-2. The silk season of 1872-3, says the paper mentioned, "has been, to say the least, an unfortunate one for the exporters. The prices at which it opened left, with very few exceptions, severe losses against the rates that were ruling at home; nor had the buyers any opportunity of making up for these losses because the foreign markets exhibited, from and after September, a continuously falling tendency, without any intermission or rally, until last May. At one time only would there have been a possibility of obtaining a reduction of prices, viz., at the holidays in January last, when the natives, tired of holding on, began showing symptoms of giving way, although not yet enough to leave a sufficient margin. But instead of waiting still longer, some of the foreign houses, throwing away the advantage of their position, and yielding to the desires of the dealers, did, as we have said above, accept considerable quantities of silk for consignment to Europe on account of the latter, under what turns out now to have been reasonable advances. Having thus had their pressing wants unexpectedly relieved, the Japanese resumed their firm attitude, and the opportunity of establishing a fall was irretrievably lost for all."—*British Trade Journal.*

NEWS FROM THE NETHERLANDS FLAX HARVEST.

We now give the approximate result of the flax harvest in Holland. The land under cultivation covers a larger area than that of the preceding year, but it will be difficult in the absence of official reports, to state the rate of increase. We believe, however, that the difference is something considerable. In whole straw as well as in the fibre there will be a good turn-out, and there is little to find fault with in the length. The finer flaxes are superior to those of the preceding year. The greater part of the harvest is of a good strength and will be fit for the manufacture of double twist and warp. A good quantity is also expected for half warp and worst. Although the quality is good, it may be that that of the preceding year will be preferred. The color of the new flax is good and regular. Friesland flax is not so good as that of 1872.—*British Trade Journal.*

AMERICAN SUNDAY SCHOOL WORKER.

The November number of this journal for Sunday School Teachers and Parents, announces its terms for 1878. They are so modified that it should increase its circulation, which it richly deserves. It enters soon its fifth year. Being no denominational, it has adaptation to any Sunday School. The Sabbath School on the Pacific Slope will find this excellent Magazine a great aid in the Sabbath School Education. The Lesson Papers are admirably adapted to promote in the children the study of the Bible. The Publisher, J. W. McIntyre, St. Louis, offers to send on application without charge sample copies.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of all the Routes of the Central Pacific, Western and Southern Pacific Railroads, with TIME TABLES complete, together with STEAMBOATS and their TIME TABLES, all corrected and complete, for reference, and for all travellers.

OUR ILLUSTRATION.

In the above illustration will be seen one of the most popular Gang Plows that has yet come from the hands of our skillful inventors. The *Matteson Gang Plow*, as it is usually called, in the great "San Joaquin Valley" for several years, and been sold by the *Hundreds*, and such is the present demand that the Manufacturers, Messrs. Matteson & Williamson cannot turn them out as rapidly as the orders come in.

The illustration pictures the working part of the Plow, with its excellent gearing by which the Driver can so easily control all its movements. The Driver is not in his seat, yet we can imagine him there, and instead of the old style hand work, he sits as easy as in a carriage bound on a pleasure party, for it is indeed a pleasure to control such a Plow—in this case we change the old "Motto":

"He that by the Plow would thrive,
Himself must either hold or drive."

and we say

He that now by plowing thrives,
Can easily ride as he cheerily drives—
No tending and waiting, the Plow goes alone,
While the acres are doubled and the work better done.

The American Chief is the Premium Plow, and in the small cut on our advertising Page, the Plow is seen with the Driver in his seat, ready for his march through the fields.

FARM GARDEN AND VEGETABLE SEED.

All the words of Scripture teach that whatever a man sows, that will he reap. It is, therefore, all important that he should sow only Good and Pure Seed.

We have in another column given a few hints upon the Planting Season, and some directions, here we propose to briefly say to all who plant seed, be sure you buy the best only. Cheap or promisee grown seed is a loss to the grower only. Also best, only the best, should be the motto of all who plant.

Our State is flooded every year with lots of seeds sent from the East, to peddle over the country. The great mass of this stuff is fit only for kindling the fire. There are good honorable Seed Dealers in the East to whom orders can be sent with confidence, and Nurserymen too, and a goodly number in our own State, reliable Houses, therefore no one need wait for Good Seed. We now particularly refer to the Seed Warehouse of

Messrs. J. P. SWANNICK, & CO.,

of this city, on Davis Street, who have for TWENTY YEARS been constantly engaged in the business of Seed Selling, and are large Importers and Wholesale and Retail Dealers, always keeping on hand the Largest and most Complete Stock of Seeds of any Seedsmen in our State.

By their Announcement in our columns it will be seen that they are now prepared to meet the wants of their numerous Patrons all over this Coast, and they say emphatically they can supply all, please all, and satisfy all, in quality, quantity, and terms.

By giving this information in our Editorial we think we shall gratify all our readers.

In Golden Colorado, an editor wrote some advice to a newly married friend, and was foolish enough to print it. After his wife had looked over a proof of "advice," the editor felt compelled to add his postscript: "Have your hair cut close to the skin."

PRESERVING GRASSES, FERNS AND FLOWERS.

and it is a pleasure to turn away from the consideration of such practical things as the garden, vineyard, and orchard, and bestow a little time and taste upon the window ornamentation. Our native ferns, grasses, etc., always afford scope for an infinite variety of arrangements in preparation for artistic home ornaments. The *English Farmer*, in speaking of grasses, says: "They should be gathered in July if we desire them to retain their bright hues without the aid of art. Gathered, then tied up in large bunches, and hung away in a dark closet, they come forth at our bidding fresh and green as when picked."

"By brook sides and shady places we can find graceful grasses which will prove additions to our winter bouquets, but they will lose their coloring if gathered late, and require a dip into 'Judson's green dye.' Dye them again and they will last for years.

Wild oats, feather grass, and all their various species, are very ornamental in winter, and mingled with the everlasting flowers—*Acerollum*, *Xeranthemum*, and the white, yellow, and crimson *Helichrysum*, they vie with their more perishable sisters, whose glories are on the wane.

We have just arranged two small vases for the coming winter. The brilliant pink and white *Acerollum*, add much to their beauty.

The white *Helichrysum* can be dyed a brilliant purple or scarlet, with Judson's dyes, and exquisite bouquets can easily be manufactured. These "everlasting flowers" should be gathered as soon as the outer leaves open; tie them up in bundles as you pick them, and hang them up, flowers downward, to dry. Treated in this way, the stems are straight and more easily used. They can be hung to dry in one's chamber, not requiring a darkened place. Most of these flowers are allowed to remain too long upon the bush, and their beauty is spoiled; as they become dusky, under the frequent sweepings of carpets, we dip them in cold water; their petals close entirely. We dip the grasses also to clean them, also they will acquire a dingy hue.

CRYSTALLIZED GRASSES.

Many persons like Crystallized Grasses. They are easily made by dissolving one pound of alum in one quart of boiling water, suspending the grasses just over the steam—not to touch the water, and as it cools the crystals gather. Grasses need not be dried before they are crystallized. A few of them mingled with the green grasses and brilliant hued flowers, light up the wall.—*New York Horticulturist.*

BARTLETT PEARS.

Are the best known variety among growers and consumers; yet some growers of pears seem to be ignorant how to market them to get the largest prices. I will give them a few hints. Remember that size, beauty and perfection in shape are strictly necessary to make a prime article. If large and imperfect, they can be counted at the best as a second class article, and a clearness of skin is also necessary to add to their beauty; don't pick too green; if you do, the fruit will not ripen with a delicate flavor or bright skin; they will wilt and taste insipid. A medium size pear with the above attributes will sell better than large ones without them. Every grower should thoroughly understand the ripening process, for they can retard or assist this process by ventilating the packages more or less, according to ripeness of the fruit and heat of the weather.

In sorting quinces, I would recommend, that where the quinces predominate, pick them separate, rejecting all knotty or inferior fruit, making two qualities, prime and good. When the fair predominates, take out all culls, then make but one quality of the remainder, for if the few primes in the lot are taken out, it injures the general lot more than you gain on the sale of the extras. If culls are very poor send them to the hog-pen, where they will meet with a demand and no expenses added to them. Be very careful not to break the stems, either in picking or handling, for the loss of the stem is detrimental to their sale. Pack evenly through the entire package, then mark the variety and quality plainly, and don't forget to mark the initials of your name on them. Qualities may be marked with crosses XX for extra, and X for culls or fair and culls not marked. A great many forget to mark their names on the packages, consequently the dealer is unable to distinguish one from another's. Half barrels are preferred to barrels, although the latter will answer if the fruit is good.—*C. J. J. in New York* [Although the Season of "Bartlett Pears" has past, the above directions are worth heeding, and it would be money in the pockets of Fruit Growers, if they would pay more attention to the gathering, sorting and packing their fruit for market.—*Ed. F.*]

Agricultural Department.—We have the Annual Report of the Commissioner of Agriculture, on the operations of the Department for 1878.

STATE OF CALIFORNIA.



Thanksgiving Proclamation

BY

HIS EXCELLENCY NEWTON BOOTH,
Governor of California.

STATE OF CALIFORNIA, EXECUTIVE DEPARTMENT,
SACRAMENTO, November 6, 1878.

In conformity with a proclamation by the President of the United States, and in keeping with custom sanctioned alike by time and propriety, I hereby appoint THURSDAY, NOVEMBER 27th instant, THANKSGIVING DAY, and by virtue of authority of law declare it a legal holiday.

I earnestly request the people of the State to abstain, as far as practicable, from their ordinary business pursuits upon said day, and to devote it to family and friendly reunions, to innocent recreations, to a generous remembrance of the poor and unfortunate, to the forgiveness of injuries and reconciliation with enemies; and to a grateful acknowledgment of blessings received from the Giver of all Good.

IN TESTIMONY WHEREOF I have hereunto set my hand and caused the great seal of the State to be affixed, at Sacramento, California, this 6th day of November, A. D. 1878.

[Seal] NEWTON BOOTH, Governor.
Attest: DRURY MCLONE, Sec'y of State.

PRIDE OF BUTTE WHEAT.

The following testimonials are furnished regarding the quality of the Pride of Butte Wheat, which can be found advertised in our Columns: San Francisco, Sept. 8, 1873.

Messrs. VAN WORMER BROS., Gents,
Your favor of 1st inst., accompanied by sample, came safely to hand. Please accept thanks of the Association for favor conferred.

The sample is certainly an extraordinary one, and met with great favor from the members. The millers assert that it is the finest wheat they have ever seen for milling purposes. The exporters think it far ahead of all other kinds for export.

While congratulating you upon your good fortune in having thus secured so valuable a seed, I remain, most respectfully,

Your obedient servant,

W. H. WALKER, Sec. Produce Exchange.

MILLER'S CERTIFICATE.

Rock Creek Mills, Sept. 30, 1873.

Mr. VAN WORMER.—Dear Sir,
Your Pride of Butte Wheat mills 47 lbs. to the bushel. Counting the wheat before cleaning the weight was 919 lbs.—

THE WAR! THE WAR!

Not of Spain, nor of France, nor of any Throated Monarch, nor of Iron Clads, or Wooden Sides, or of "Josiah Daniels," or "True Blue," but a War of Newspapers—it is a Capital War, and nobody will be hurt, except—

This war is a War of Numbers, one Paper *Chronicles* 30,106, and its antagonist *Call*, and says I go for 38 better—30,144, and it is very hard telling which wins—it is an amazing race, and there is no telling where it will all end.

Christmas is coming, and so is New Year, and as Thanksgiving comes first, let us pray there may be no Bloodshed, however many bottles of Ink may be wasted, and give thanks when the war is over—we say with Grant, *Let us have Peace!*

OUR EXCHANGES.

We are constantly in the receipt of *New Journals*, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to obviate us that we should do so, we must see in those Journals some evidence of reciprocity to our Cause and to our State, Journals that will extend *California Interests* and speak of our State as she deserves, will receive our first consideration.

We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose Annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and, as we pay the Postage his side on all we shall continue, others will receive notice of our declining Exchange.

WASTEFULNESS OF FARMERS.

A valuable lesson for our Farmers we find in the *Nashville Rural Sun*—full of plain truth:

Not less than twenty per cent. of the entire capital employed in farming in this country is wasted. This is a low estimate, for on many farms the amount of waste is double the sum named. Perhaps the scarcity and high prices of labor in a few localities may be considered a reasonable excuse for this loss, but we hold that no man should undertake more than he can accomplish without waste. The first and most profitable source of waste can readily be traced to large farms, as nine out of every ten of our farmers own or undertake to work twice as much land as they are able to do, with any sort of credit or profit to themselves or others.

In Spring, more corn, potatoes and other crops requiring culture during the period of growth, are put in than can be attended to, and the results are that laying and harvesting grain crowd upon the hoeing, and waste occurs on all sides. Scarcity of labor is always put forward as an excuse for this waste, but the farmer was well aware that he could not obtain the required amount long before his crops were put into the ground, and should have known just how many men were required to take care of and harvest any certain number of acres of any particular crop. We are not disposed to excuse a man for waste on the score of ignorance, especially in farming, because the business is one that should be well understood.

Contrary to the general idea, we believe that the curse of American agriculture is cheap land, producing a low standard of farming, and encouraging a grasping disposition to possess broad acres, with a corresponding neglect of the same when once they are obtained. The first thought of a farmer or his sons is how much land can I purchase? Not how much will my capital permit me to buy and improve? In ninety-nine cases out of every hundred, a man puts his entire capital into land, and then runs in debt for a few acres more, reserving nothing with which to make improvements or purchase stock. A merchant who would put his entire capital into a building, and leave himself no capital with which to commence trade, would deserve pity, if he did fall in business; and yet this is just what a majority of our farmers are doing. The result of such a system is a slavish life for a term of years in order to procure stock, implements, barns, and finally a comfortable house for the wife and family.

Now, there is but one way to remedy this widespread evil, and that is, to own less land, make it produce better crops and thereby prevent a waste of time and labor. A man should never put more than one-half his capital into land, no matter how much or how little he may have. We can offer no better proof of this widespread evil of owning more land than can be judiciously cultivated, than the average yield of any of our principal farm products. The average yield of corn, for instance, in some of the Middle and Southern States, is not above ten bushels per acre, and in Illinois seldom above twenty; while those farmers who plant on good rich land obtain from fifty to one hundred bushels per acre. These results prove conclusively, that thousands of acres are annually planted with this grain, and the labor expended thereon is almost, if not entirely wasted. The same is true in regard to all kinds of grain cultivated in this country. A man starts out in Spring to plant twenty acres in corn, when really he has not sufficient help to put in ten, and the result is a very small return for the labor expended, and less corn than would have been obtained upon ten acres, with severely per cent of the capital expended thereon. Nature is wasted by being spread so thinly over a large surface of ground that the benefit is scarcely to be perceived, while a less area received it in amount, it would not only bring immediate and a large increase in the crop grown, but be permanently enriched.—*Nashville Rural Sun*.

A REMARKABLE HEN.

We think the following, from one of the friends of the *Journal* in Texas, will compare with anything on record. If any of our friends can "go one better" we shall be pleased to hear from them:

I have a Light Brahma hen on record as follows: Commenced laying May 9th, four days after the trip to me. June 3d laid 25 eggs and I set her. Hatched June 24th July 17th, chicks twenty-three days old, commenced laying again; laid 23 eggs by August 10th, when she sat again. Hatched August 31st. September 22d commenced laying again, and laid 22 eggs by October 19th, when she sat again, and will hatch November 9th, at which time she will have laid 70 eggs and hatched 3 nice broods of chicks in just six months. Her eggs are very large and fine, hatch well, the chicks are remarkable robust and rapid growers. I have only lost two out of seventy-two raised since May 9th.—T. B. LONAN, of McKinney, Texas, in *National Live Stock Journal*.

FIRE AND WATER-PROOF PAINT.

Slack stone lime by putting into a tub, covered, to keep in the steam; when slacked pass the powder through a fine sieve, and to every 8 quarts add a quart of rock salt, and a gallon of water; then boil and skim clear; to every 5 gallons of the liquid add pulverized alum 1 pound, pulverized copperas 1/2 pound, and still slowly, add powdered potash, 1/2 pound, then very fine sand or bickory ashes, 4 pounds; then use any coloring matter desired and apply with a brush. It looks better than any ordinary paint, and is as durable as slate; will stop small leaks in roofs, prevent moss from growing thereon, make it impenetrable, and render brick impervious to water.—*Cor. Boston Cultivator*.

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE Insurance Agency.

No. 314 California Street,
SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amson Insurance Company,--Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company,--Chicago, Ill.,	250,000
Great Insurance Company,--Philadelphia, Penn.,	658,000
Kansas Insurance Company,--Lawrence, Kansas,	269,000
National Life Insurance Company, of U. S. A.,--Washington, D. C.,	1,335,000
New Orleans Mutual Insurance Association,--New Orleans, La.,	1,478,000
North Missouri Insurance Company,--St. Louis, Mo.,	1,235,000
Penn Insurance Company,--Philadelphia, Pa.,	285,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.,	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,
GENERAL AGENTS.

No. 314 California St. San Francisco, Cal.

FISH BROS. & HUGGINS

"PACIFIC WAGONS,"

FARM, QUARTZ, AND THIMBLE SKIRM, IRON AXLE FARM AND SPRING WAGONS

69 & 71 Front Street, Sacramento.

COPELAND & DAVIS, Agents.

WE REFER TO THE FOLLOWING PARTIES WHO HAVE USED OUR WAGONS:

Dr. H. J. Glanz, Geo. W. Hoag, Gumpston Bros, Jacinto; Hill & Knapp, Agents for Marysville; Wm. P. Miller, Agents for Stockton; J. Balbach & Co., Agents for San Jose; Smith & Baxter, Agents for Gilroy; S. Sweet & Co., Agents for Visalia; Allen, Parks & Kimball, Agents for Napa Valley.

The attention of Dealers is specially called to our Wagons, as we Manufacture as well as Import our Stock.

The Patterns for the Pacific Wagons were furnished by one of the best Wagon Manufacturers of California.

Manufacturers Agents for the J. I. Case & Co. 48-Inch Cylinder Threshers. 29-18

Seminary Park

POULTRY YARDS,

(one mile from Melrose Station, O. P. R. R.)

ALAMEDA CO., CAL.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly mated for breeding, at the following low rates:

	Per Pair.	Per Trio.
Light Brahmas.....	\$10.00	\$15.00
Dark do.....	12.00	18.00
Buff Cochins.....	12.00	18.00
White do.....	12.00	18.00
Black do.....	12.00	18.00
Partridge do.....	18.00	25.00
Houdan and White Leghorns.....	10.00	15.00

ALSO

Silver and Golden Spangled Hamburg, Roman and Aylesbury Ducks and Geese. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$5.00 per Dozen, Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Memphis Brown Turkey Brod Tom First Prize Imported French weighing 64 pounds two Pair Wild spare Cocks at \$20.00, Hens at \$15.00, Trios at \$25.00.

Parties wishing birds for Exhibition, will do well to correspond with me and see also special rates. Birds imported on Commission. Please send for Circular and Price List, Address P. O. Box 1874 San Francisco, Cal.

Please state where you saw this Advertisement. 40-1

Valuable Tide Lands.

ONE THOUSAND ACRES of very Valuable Tide Marsh Lands all well located and can be securely Leased and made ready for cultivation at a very moderate cost.

This land is near to tracks of upland suitable for Grazing, and for the Building, so as to make a good farm this also can be purchased at a moderate cost.

The past year fine Grain, both Wheat and Barley was grown upon this land, of which samples can be seen at this Office this is proof of the value of this land.

Other crops been raised the past Season. Vegetables of all kinds produce large crops, and even when planted late they produce abundantly.

This tract of land is worthy of special attention of any person who wishes a good bargain as it will be sold very reasonable if applied for soon.

These lands are now being fully appreciated, and are considered as among the best lands of our State, and in a few years will be held at very high figures.

Persons wishing to buy can learn all the particulars and price by addressing G. D. S. at CALIFORNIA FARMER Office.

BOUND VOLUMES OF FARMER

We are now prepared to offer the BACK VOLUMES of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purpose of Libraries, etc.

Apply at the office. WARREN & Co.

OIL CAKE MEAL

THE BEST FEED KNOWN FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL,

which we are now manufacturing in description of food so greatly promotes the health of cattle as Oil Cake Meal, and we urgently request all engaged in the dairy business, raising and fattening stock, or growing, to give it a trial, feeling confident that they will find it of very great value. By those who have used it thoroughly, ONE pound is pronounced to be equal to two pounds of Corn Meal, and in the United States Government Report of the Department of Agriculture for 1885, it stands in the following relation to other feeds as to the percentage of flesh produced from a hundred pounds of food, viz: Indian Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 18 per cent; Oil Cake Meal, 22 1/2-100 per cent. For 115-1600 tending properties to all stock raised to sudden changes of weather or over-driving. See no equal.

For MILK COWS it is particularly valuable, increasing the quantity of milk and giving it a quality to a far greater extent than any feed known. A suitable quantity for them at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other feed generally mixed with the usual of bran, clover, roots, or feed of any kind. It improves it to make it for six or eight hours, the effect being to increase its bulk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for Horses subject to the Hives or Eruptions, and greatly increases the cleanliness and gloss and sheen of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton or so promotes the growth of wool. A small quantity given to chilled Cattle or sheep will keep them alive and greatly increase their warmth and vitality.

At present prices (\$30 per ton), it is the cheapest feed market. It is now selling in New York at \$40 per ton, and at \$50 per ton in England, where it has been raised for long time to be in every respect the most profitable feed known for stock of all kinds—often being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manufacturing, Kingstons, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET.

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

21 and 23 Barclay Street,

WALTER BROWN, NEW YORK.

Consignments Solicited, and advances made if required. 1-2-17

J. W. COPPAGE & CO.,

COOPERS.

All kinds of Cooperage on hand and made to order on reasonable terms.

REPAIRING NEATLY DONE.

112 and 114 Jackson St.,

Between Drumm and Davis,

311 SAN FRANCISCO.

ALFALFA! ALFALFA!!

SUPERIOR

CHILI ALFALFA!!!

FOR SALE BY

CROSS & CO.,

316 CALIFORNIA STREET,

San Francisco.

Standard Dundee GRAIN SACKS.

22x36--Hand-Sewed--Extra Weight,

FOR SALE IN LOTS TO SUIT, BY

ROSS, DEMPSTER & CO.,

106 and 107 California Street.

Agriculture.

ORCHARD GRASS FOR PASTURE AND HAY

Having seen in the *Journal* of the October issue some inquiries respecting Orchard Grass, and having had some experience in its cultivation, a few facts concerning this grass will be submitted.

The experience alluded to, is chiefly comprised in a period of about fourteen years.

The seed was first obtained for the special purpose of sowing in an orchard—and, as its name would seem to indicate, a peculiar adaptation to that kind of culture. Not more than a bushel of seed was procured, and the orchard being an old one, the ground was ploughed early in the spring, and the seed sown (without any other crop) about the usual time for sowing clover seed. In this path, for it was not more than an acre and a half, the ground was in a high state of cultivation. It had been used as an orchard for many years. Many of the trees had been declined, and were cleared away, and the open spaces had been repeatedly planted with potatoes and other truck well adapted to rich patches of land. The growth of the grass took well; and, for a number of succeeding years all other culture of the plot of ground was abandoned. The grass did not make a crop for cutting the first season, but on the second the indications were such that it was thought desirable to keep it for mowing, which was accordingly done. About the time of yearly clover-mowing, it was concluded to cut the grass, and, as there was little appearance of seed stalks, the mowing was effected in the early part of June. Of course the crop was composed almost entirely of blades, which made a very light and soft hay, but it was soon discovered that the stock of all kinds ate it with great avidity. As the grass on being cut disclosed a peculiarity, our attention was immediately drawn to it. It was this, the blades, on being cut, shot forth the new growth from the cut part, unlike timothy, clover, herbs grass, or any other with which I had been acquainted, and remarking this quality, it appeared to furnish an excellent test of growth. Therefore selecting one of the richest spots in the enclosure, I concluded to apply the test or measurement to the blades, by actually marking the inches with those measures on a square. The result was, that from the blades that had cut with the scythe, just eleven days, and taking several of the most luxuriant growth, I obtained an average of thirteen inches! As my object was to exhibit something like a curiosity in vegetation, the above is not given as a general average of growth, but it served to show a most extraordinary one, and to convince me that, although it was made up of very light grass, there was every appearance that its bulk would far surpass that of any crop hitherto raised on the farm.

From my present recollection the second crop of this grass was mown about the usual time of wheat harvest, and that there were about four cuttings in the same season. From my recollection, the last, which was made in October, would afford a pretty good average. As the hay had to be hauled among trees, the loads were small, but it is supposed the quantity would average a each cutting from one and a half to two tons per acre at each mowing.

As to the stock to which it was chiefly fed was sheep, it was given to them freely, as they appeared very fond of it, and if put in a rack with other hay, they would uniformly select, when in their power, the orchard grass blades from the other hay. One very obvious characteristic of this grass was its peculiar adaptation to growth in the shade; a fact from which I had no doubt it must have received its name.

From its surprising growth, where the soil is in a high state of cultivation, the covering furnished to the ground is adapted to keep it always shaded, and, of course, mellow, and never adapted to keep the soil about fruit trees. It is, therefore, suited to orchard growth, it is believed it may be safely raised therein, without injuring the growth or bearing of the trees. This experience began about the year 1815, and continued to the time above mentioned, during which, as the writer had some trials with the same in field culture, an account of this may be given in future.—W. H. J. in *Journal of the Farm*.

SINGING TO COWS.

Cows are sociable, and understand more than we suppose. The way I came in possession of this choice bit of knowledge, Tim and I used to sing to our cows. They knew very quick when we changed from one tune to another. We have tried them repeatedly. When we sang sober church hymns, they'd lop their ears down, look serious and chew their cud very slowly, reminding me—no irreverence meditated—of nice old ladies in church, listening to the words of the preacher, yet all the time munching clover. Then we'd change to some quick air, "Yankee Doodle" or the like, and they would shake their heads, open their eyes, blink at us as much as to say, "Stop, don't you know we are the deacon's cows?" But when we would stop entirely, every cow would turn her head, as if asking us to go on with our singing. If it was pleasant, we generally sang together through the entire milking. I love the dear animals that add so much to our comfort. Boys, will you not be kind to the cows?—*Canada Farmer*.

THE CALIFORNIA FARMER,

SAN FRANCISCO.

THURSDAY EVENING, NOV. 30, 1873.

THE CALIFORNIA FARMER READING ROOM AND
MUSEUM OF NATURAL HISTORY.

200 Clay Street—Marble Building—Up Stairs.

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiousities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

S. M. PETERSON & Co., 10 State Street, Boston, and 27 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair,

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall direct their attention to such articles in each issue of the FARMER, to which we would direct their special attention.

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements appear in our HOLIDAY NUMBER of which we shall scatter *Many Thousands* should send in their favors early, that they may secure good places and due attention, this is the season that advertising pays well.

Harpers Monthly for Dec.—This is a very grand publication, an enlarged number of pages, and an unusually interesting and excellent number—worth four times the cost.

Treasury Department, Washington.—We have received the Monthly Report of the Treasury Department of Washington, with full Statistical tables of the interests and values of Commerce and Navigation by Ed. Young, Esq., Chief of Bureau of Statistics.

Seminary Literature.—We have No. 1 of Vol. 11 of the *Seminary Budget*, a Literary Publication, conducted by the Students of the Sacramento Seminary, under the care of Mr. and Mrs. Perry. The "Budget" is a very neat Publication with many valuable and interesting articles, evincing talent, and indicating good minds at work upon it, may it go on and prosper till this little treat now published but four times a year, shall become a standard Monthly and widely useful.

OVERLAND MONTHLY.

The December number of our excellent California Monthly is out and more than makes good all the praise given to it, for however good all Foreign Works, we think our *Overland* is worthy the fervent support of our citizens, and we are glad to know it is so well sustained. The present number is one of the best yet issued.

THE NEW ALMANAC—DOD'S LAUREL

The "Daquary News Man" has sent forth his New Almanac as a "Merry Christmas" work, to cure Dyspepsia with a hearty laughing fit, let everybody go and buy a copy, and *Our Blue*—good for *Stock Speculators*. Roman & Co., have it for sale.

MUSIC BY A SIGN.

We have among other pieces of *New Music* from M. Gray's Music Store, a new Song and Oboe "There's a Letter in the Candle." This new Composition is by Geo. T. Evans, and for sale at Gray's Music Store.

SILENT INFLUENCE.

If a sheet of paper on which a key has been laid, be exposed for some minutes in the sun, and then instantaneously viewed in the dark, the key removed, a faded specter of the key will be visible. Let this paper be laid aside for many months where nothing can disturb it, and then in darkness be laid on a plate of hot metal, the specter of the key will appear. This is equally true of our minds. These, which under ordinary circumstances, are invisible, never fade, but in the intense light of cerebral excitement, start into prominence, just as the specter image of the key started into sight on the application of heat. It is thus with all the influences to which we are subjected.

THE SEASON, HARVEST, &c.

The Summer is ended, the Harvest is over, and the Poetry of the Seasons will soon be changed into the sober reality of the Storms of Winter. Fortunate indeed are those whose labors have secured to them enough to carry them through the rough portion of the year.

The seasons have been good for all interests through all the varied months of the year, and all who have made a wise use of them have received a liberal reward.

The Harvests generally have been good, and a general prosperity has been the result of all the Agricultural interests of our State. Never before has our State stood in so good, so prosperous a condition, and though some of our products may not realize so large a price the extra yield will more than realize any loss in price, there is no State in our Glorious Union that is so sound and prosperous in all its interests as CALIFORNIA.

If there is one State more than another that should be devoutly thankful and offer up to the "Giver of all Good" a Grateful Song of Praise and Thanksgiving now, that State is CALIFORNIA.

THANKSGIVING DAY

This good old "New England Festival" is near at hand, and while preparations are being made for our own enjoyments the better feelings of the heart should be awakened by these doings to the wants and necessities of those who are poor and needy, and while our own tables may by a kind Providence be laden with the good things of earth, let us not forget to add as much as is in our power to the relief and comfort of those who are not provided for, remembering "That it is more blessed to give, than to receive."

We commend the following most appropriate words, which we take from *Moore's Rural New Yorker* except the objections to a Special Thanksgiving. We believe in the Original Special one, established for good and holy motives, and hope it will always be kept alive.

"We are not of those who believe in special days of thanksgiving. We regard them as, in a certain sense, farcical. We believe in thankfulness—every-day gratitude and in the works which are the fruits of devout thanksgiving. We respect the spirit with which Thanksgiving Day was inaugurated. We have no objection to an annual Thanksgiving Day now—as a day of rest, reunion and joy—as a day in which grateful homage, fraternal, joyous and thankful emotions predominate. But we believe in a continual thanksgiving. We believe there is always more reason to rejoice and be thankful every day than to complain. No one suffers so much that he or she may not suffer more—at least few do. It is far better to cultivate thankfulness than to nurse depression. Thanksgiving Day is at hand. Let those who wait upon it, think of the joys that are theirs in comparison with the sorrows that might be. Let worship be born of thankfulness. But let no one suppose that one day of thanksgiving in which all of thankfulness is concentrated, is at all worthy of men and Christians. Let us give thanks daily."

In another Column will be found the Proclamation of our Chief Magistrate, enjoining all to observe and keep this glorious Festival Day of Thanksgiving to God, and giving to the Poor.

We hope the coming Festival will find our kind Patrons all well cared for, and that they may all have a "Feast of Fat things" around each happy Family Table.

SACRAMENTO SEED AND FRUIT TRADE.

Very few persons in our City can have any conception of the extent of trade done in the City of Sacramento, unless they visit that City and see what is actually being done.

The show how large is the trade of some Firms we will name one in the Seed and Fruit Trade as Shippers over the Railroad in all directions.

The Firm of Messrs. A. E. Cummings & Co., corner of 2d and J street, the principal Shippers of Fruits and Vegetables over the Railroad, to the several leading points, even on to Chicago, New York, Boston and Philadelphia, and this too by the car load, and to the extent of over seventy-five car loads in a season, sending abroad our California Productions, Fruits, Vegetables, Preserves, and thus greatly benefiting our State.

It is such Firms and such business that helps build up all our Industrial Interests and stimulates our producers to the growing of the best qualities of Fruits and Vegetables, and to a better care in picking and packing them.

We are glad to commend such a Firm to our producers as worthy their special notice when they wish to buy Seeds or sell their products as a House that will always deal with them liberally, and aid them in their Enterprises.

GREASE YOUR WHEELS.

Among all the various Compounds used for lubricating Carriages, Machines, Railroad Wheels, or Wagons, with heavy burdens on the highway, there has never been a compound invented that can surpass the well known California H & L Axle Grease.

This is the invention of our well known Citizen Chemist, J. J. Hucks, Esq., the original Inventor and Manufacturer of the H & L Axle Grease, which is still Manufactured and sold by his son, and found all over our State, buy no other for it is superior to all others.

BILLINGS-ISMS.

There is no cure for vanity, gilding thoroughly wet comes the nearest to it, for the time being.

Money makes money. We all or us take our corn to the rich miller to have it ground.

There is two kinds of wise people in this world, the wise and the unwise.

If I can set the fashions for a people, I don't care who makes their laws.

The rich spend their time in creating wants, the poor in gratifying them—the poor are the most sensible.

The man who is the most frail few die, is the one who knows least how to live.

THE SEED TIME, PLANTING TIME COME.

The all important period of preparing the earth to receive the Seed for a future Harvest is at hand, even now large tracts of land have been already sown with Grain, and the early sown is now showing its verdant garb in various parts of our State.

GRAIN SOWING.

It is all important to our Grain Growers that their Grain should be sown early, this is clearly shown by the upspringing of seed in all our winter fields—this shows nature's time, and this should be a guide. We are glad to see so many improving the time, for the Rains are near to us and they will be as all desire, liberally scattered upon a earth.

VEGETABLE PLANTING.

The great mass of our Country Farmers purchase their vegetables instead of raising their own, believing it much cheaper, this is a sad mistake, for as they depend upon a foreign supply once in a while, they rarely have them good or fresh, and are thus deprived of a great luxury, for nothing conduces more to Health and the saving of Doctors Bills, than a daily supply of good fresh Vegetables.

To be successful in raising good Vegetables of all kinds they should be planted early, now is the time to prepare the soil, now is the time to put in many kind for the early crop, always selecting the best soil and location, for early Potatoes, early Peas, Cabbages, Lettuce, Radishes, &c.

Many varieties require to be first sown in frames or boxes, such as are to be transplanted, Cabbages, Cauliflowers, Celery, Tomatoes, &c., with a moderate expense, and a little earnest labor, every family could have as good a supply of delicious fresh Vegetables, as is furnished on the "Bill of Fare" at the "Grand Hotel"—and those farmers that will do this, will see the members of their families enjoy them and grow fat, and rarely call the "Doctor."

TREE PLANTING.

Whatever may be the different opinions among Nurserymen in the Eastern and freezing States relative to the time of planting Trees, Vines and Shrubs, one thing is certain, that in a climate like California, so genial, there need be no two opinions: the Autumn is the proper time beyond all question, and as soon as the leaves begin to fall (and that is now), that is the time to prepare the soil, and to Plant Orchards, Vineyards and Garden Shrubs. This work should be completed before the heavy flooding rains come—now the soil is light and porous.

(We allude to soil that has been properly taken care of), then the soil can be worked easily, and the work can be well done, thus early planted the roots in a good congenial soil will commence feeding and growing, and prepared to make a vigorous headway without that check which is always given when lifted and planted late and more severely exposed. The Autumn is the time for all the work we have named, and to do this work well. See to it that

1st. Be sure your soil is made right, deep, rich and fine.

2d. Be sure you select good pure and true Seed. (See article on Good Seed in another Column).

3d. Purchase your Trees, Vines and Plants of those who understand your wants, and know what they sell to you to be reliable. (See Nurseryman's Advertisements in our Columns).

For kinds and varieties best to Plant we shall issue lists in our next number, as a guide.

CAUSE OF SCARCITY OF MONEY.

The value of foreign commodities remaining in the warehouses of the United States, June 30th, 1873, was \$77,846,679, as compared with \$123,211,366 June 30, 1872.

Making allowance for the difference in the warehouse accounts, the imports for the fiscal year ending June 30, 1873, are in excess of the domestic and foreign exports combined, in the sum of \$100,887,818, while for the same period of 1872 the excess of imports over exports was only \$62,397,039.

THE SALES OF AGRICULTURAL IMPLEMENTS

Those who would like to see how fast the Agricultural Implements sell, and how many, and the various kinds, should make a visit to the Warehouse of Messrs. March O. Hawley & Co., on Front street in this City, and see the Machinery, Plows, Harrows, &c., marked for all sections of this State, and all over the east, Teams loading up every hour in the day.

These are facts, and they tell of the vast increase of the Agricultural Interest of California, which great as it is, it is only the beginning of a greater future.

Messrs. Hawley & Co. are now doing the greater part of the Agricultural trade of our City, and shipping to their many agencies over the State.

CONNECTICUT BLUE LAWS.

Much has been said and written upon the "Blue Laws" of Connecticut published at early day on "Blue Paper" (hence their name) contained some enactments which upon a recent perusal, we think would do to put in force at the present day.

"When Parents refuse their children convenient marriages, the Magistrates shall determine the question."

The Selectmen on finding children ignorant, may take them away from their Parents, and put them into better hands, at the expense of the PARISH.

A Drunkard may have a master appointed by the selectmen, who are to debar him from the right of Buying and Selling.

Married persons must live together or be imprisoned.

There are others also good—showing good things in the Blue Laws.

Leisure for men of business, and business for men of leisure, would cure many complaints.

THE AGRICULTURAL "CORNER."

There has been so much said and done of late about "Corners" that we had long been desirous of hearing of some kind of a "Good Corner" somewhere, and we had almost despaired of finding one until lately, after a brief visit to the City of Stockton to look after the Wheat Crop, Plow Shops, Carriage Makers, Paper Mills, &c., when after a busy day, and while seated at the table of "Hotel Yosemite," an excellent home for all travelers—and after a little chat with those interested in all these pursuits, we were asked if we had visited the Agricultural Warehouse, &c., to which we replied we had, when our questioner asked, Have you visited the "Gold Corner," down street? As we did not fully understand we said, where? His answer was, Hewlett's Old Agricultural Corner, now called the "Gold Corner," because the Agricultural interest of our "Great San Joaquin Valley" has so enriched the Old Firm of Jones & Hewlett that the Corner so long known as the Pioneer Agricultural Store has now become the "Corner," where the Farmer's Gold goes, therefore we call it "Our Gold Corner."

The fact was, that the Establishment of the "Gold Note Bank" by the influence of H. H. Hewlett, Esq., was the means of drawing out the real wealth of this rich Valley, and many of the old Farmers soon showed plenty of means to take Stock in the Bank, and it came rolling in fast, and now this "Gold Note Bank," is of infinite value in the "moving the Crops" and in aid of the great Agricultural interest, as it shows how large is the Home means of the Valley—for the Farmers show large resources—this "Gold Corner" we can say, was literally the result of the Agricultural wealth of this Valley, the Bank is ably and successfully conducted by H. H. Hewlett, Esq., the able Manager, and to the great benefit of the County, and while the elder Hewlett, so long known, may be found at the "Agricultural Gold Corner," his younger Brothers,

MRS. SAMUEL AND LEWIS HEWLETT

will show forth the "Plow," "Reaper" and "Mower," as Emblems of the great interest of the Valley, and as "Young Men" for labor is the motto. The Farmers of the Valley will find always that the Young Messrs. Hewletts will offer them all the very best Implements that can be found, and deal with them liberally too, and these Weapons of the Farmer are the means of building up as we said a *Good Gold Corner*, so that the Working Farmer shall have a Gold Bank of his own, while the "Old Pioneer Agricultural Warehouse" of the Messrs. Hewletts shall be long known as the solid and prosperous Home of the Farmers interests, where the implements of their profession can always be had at their call, success say we to the "Old Pioneer Corner of Agriculture" and "Gold Corners" built by Farmers.

SPECIAL NOTICES.

The Plowing Season is with us, and our Farmers are doing their best to put in more acres than ever before—and they will do it too.

The AMERICAN CHIEF GANG PLOW, to which we call special attention this week, comes in for a goodly share of the public favor, because it truly deserves it.

The Matteson Gang Plow is the invention of one of our most enterprising Manufacturers of Stockton of the Firm of Matteson & Williamson, of which we speak on our Front Page, which bears the Illustration of this famous and popular Plow.

WOODEN PIPE.

Special attention is called to the Advertiser of H. F. Williams, Esq., of the New Wooden Pipe, which is now being used largely for all purposes named in the advertisement, and which is becoming popular and rapidly too. Call at this Office, and see the Pipe.

HOME PICTURES.

Gifts for Home at the Holiday Season must always be among the most acceptable Souvenirs for the loved of Home.

Go to "Bayler's" New Gallery, Corner of Clay and Montgomery, and see the beautiful new style finished Pictures, and you will be sure to secure a beautiful Gift for those you Love and Cherish.

THE STUDEBAKER WAGON

This celebrated Wagon, good as it was originally from the inventor, has been much improved by the genius and skill of E. E. Ames, Esq., at his large Manufactory on K street, Sacramento. Purchasers of Wagons should call there and see the Improved Studebaker Wagons by all means.

REAL ESTATE, RANCHES, VINEYARDS.

Purchasers of these should look to our Columns for some Great Bargains now offered, chances seldom met with—and call and see our list we have for sale.

THE MEDICAL AND SURGICAL JOURNAL.

Our Pacific Medical and Surgical Journal published by Dr. Henry Gibbons and Son of this City, is a most valuable Medical Work for every family, and should be widely circulated, as there is so much in the Journal every month that should be known by the Heads of Families, in fact there is no Book that can give the facts presented by the every day occurrences and matters of Health and important subjects both for adults and children as this Journal, besides the editors are faithful in exposing Quackery, and all kinds of Impositions that so much abound.

The November number is a valuable one, with severe but merited censures on Quackery, and Mrs. Winslow's Soothing Syrup, every mother should get the November number and read it.

THE PLOWS ARE AT WORK.

The Plows are at work in all directions, on Hill and Valley, on the Stubble-fields, on Summer Fallow, and on New Land. Past experience has shown the value of good work, in early and deep plowing, and in early planing, and experience has been a good Schoolmaster to many.

CLIPPING.

The Burlington Free Press says that eleven head of high-priced Shortborns passed through Burlington a few days ago en route for Montreal, where they will be shipped to England. The prices paid for the lot were as follows: One cow, \$35,000; one heifer, \$15,500; one bull, \$15,000; one heifer, \$14,000; one heifer, \$10,000; one heifer, \$3000; one heifer, \$2000; one cow, heifer and two calves, \$3250; aggregating \$90,750.

These were of the "Campbell Herd" of which we gave account in No. 5.

Of the 856 cotton manufactories in the United States, 191 are in Massachusetts, 129 in Rhode Island, 138 in Pennsylvania, 111 in Connecticut, and 31 in New York, aggregating 667, or more than two-thirds of the entire whole. New Jersey has 27, New Hampshire 36, Maine 29, Maryland 22, North Carolina 23, Georgia 24 and Tennessee 23.

A blacksmith has succeeded in changing the gate of a pacing horse to that of a trotter, by simply fastening an extra pair of shoes bearing, than usual to the fore-feet whenever he was to trot, and taking them off at all other times. The sudden change of weight on his forefeet forces the horse to change his gait.

LARGE SHORT-HORN CALF.

William H. Norton, Springwater, N. Y., has a short-horned calf which weighed three hundred and thirty-six pounds, when two months old; five hundred and eighty-six at five months, and eight hundred and thirty pounds when six months and eighteen days old.

QUIET FOR CHILDREN.

Every hour a child lives a quiet, tranquil, joyous life, of such sort as kittens live on bushes, squirrels in sunshine, is just so much investment in strength and steadiness and growth of the nervous system. Every hour that a child lives a life of excited brain-working, either in a school room or in a ball-room, is just so much taken away from the reserved force which enables the nerves to triumph over the diseases of its life.

REMEDY FOR BEE-STINGS.

I herewith send you my remedy for "bee stings," which I have used for years, and which you can publish for the benefit of the "bee community" if, upon trial, you find it of any value. Get a small, heavy glass phial, with a green glass stopper; have it filled with Tincture of Iodine. To use: Shake well, then remove stopper applying what adheres to it to the wound, and be careful not to drop any on clothing, as it leaves a bad stain. Half-ounce phial is large enough. J. B. Moore, in *American Bee Journal*.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive travel over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most commodious and comfortable homes for those who journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Yosemite, to Sacramento, to Stockton, the Bay Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend them to whom we speak from a personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.
Callaghan Hotel..... Callaghan.

BIG TREES OF CALAVERAS.

Via Western Railroad and Copperopolis.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.
SAN JOSE, ALMADEN MINES, &c.

The Anzer Hotel..... San Jose.

SANTA CRUZ AND THE BEACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.

YOSEMITE VALLEY.

Matchless Hotel..... Yosemite Valley.

MARIN COUNTY.

Marin Hotel..... San Rafael.

Travelers who are strangers can rely, that at these places they will ever find the best and kindest attention and care, and will never be imposed upon by exorbitant charges.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free of all months or weeks of the year—this is our custom, those who are in want should always call when in the city we shall be glad to send them at our Reading Room, always open and free to all.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to whom they purchase where they obtained information of their wants?

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent, stranger purporting to act for us, unless they show WRITTEN AUTHORITY FROM US.

New Advertisements.



Seeds! Fruit! Produce!

CHOICE FRUIT OF EVERY DESCRIPTION
WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds
always on hand.

Also Vegetables, Honey,
Hops, Butter, Eggs,
Fish, &c., &c.

Strictest care used in Packing Fruits and Produce for
Nevada, Utah, Colorado and the Eastern States.

Orders solicited by
A. H. CUMMINGS & CO.,
30, 32 Second Street, and 58 J Street,
SACRAMENTO, CAL.

40.8



The Fourth Number of VICK'S FLORAL GUIDE
for 1873, containing Description of HYACINTHS,
TULIPS, LILIES and other Hardy Bulbs for Fall
Planting and Winter Flowering in the House, is now
published. 25 cents pays for the GUIDE a year—200
pages, 500 Illustrations. Fall Number 5 cents.

First number for 1874 will be ready to mail Nov
15th. It will contain 140 pages, 300 Illustrations, and
a beautiful colored plate. Address:
39 13 JAMES VICK, Rochester, N. Y.



FAMOUS SEED WHEAT.

As there has been numerous call at our
Office to see the famous SEED WHEAT, known as
the "PRIDE OF BUTTE," and now advertised in
our Columns by the Originator of this remark-
able Wheat, we have obtained the second
parcel, so that all who desire to secure the
very best and choicest Wheat ever shown in Cal-
ifornia, can see the same at the
CALIFORNIA FARMER OFFICE,
320 Clay Street, up stairs.

THE INFALLIBLE COUGH AND
CONSUMPTION CURE!

As a remedy for Coughs, Colds, Soreness or
Pain of the Chest, Whooping Coughs, Phthisis,
Bronchitis, Asthma or Consumption the INFAL-
LIBLE COUGH AND CONSUMPTION CURE has no
equal. In cases of Consumption the patient
should take in consideration the condition of
the lungs. If they are too far gone, of course
a perfect cure is impossible, although in many
cases when Physicians have given up all hopes
it has effected perfect cures. Sometimes Phy-
sicians are mistaken. The best proof of that is
to try three or four different ones, and in nine
cases out of ten every one of them will have a
different opinion and prescribe different reme-
dies; so before giving up all hopes give the
INFALLIBLE CURE a fair trial. If there is a pos-
sibility of a recovery, the patient will not re-
gret using the INFALLIBLE COUGH AND CONSUMPTION
CURE. It acts as a stimulant and a light
expectorant, but its virtue, its strength and its
wonderful effect on the lungs is centered in its
great healing powers, allaying irritation, soothe-
ing and healing the lungs, thereby promoting a
free and easy respiration, and a permanent
cure. For Coughs or Colds, Chronic, long-
standing or of recent construction, the INFAL-
LIBLE CURE is acknowledged by all who have
used it to be far superior to any remedy ever
placed before the public, setting directly on the
mucus membrane, it cuts and loosens the
phlegm, which by a free and expectoration from
the lungs, relieves the patient almost im-
mediately. Recent Colds are cured in from
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Business that will pay

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ratehood, and is strictly honorable. Particulars free, or sam-
ples worth several dollars that will enable you to go to work
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GANG PLOW,

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These noted Gang Plows have taken the Premiums at the
State Fair, and at the District Fairs whenever exhibited, and
have often as many honors as any other Gang Plow made.

The American Chief is the result of years of study
and experiment by thorough practical mechanics who are
Plow makers by long experience in this work.

This Plow is constructed to meet the wants of our Farm-
ers, quickly adjusted in all its parts, and so easy in its
working that the tongue of the Plow will move over any
change in the surface of the soil without deranging the shares
of the Plow.

By the perfect construction of the Plow, its wheels are the
governing power, while the plowman may move on in his
work in confidence that it may be done quickly and most per-
fectly. So admirable has it proved by the hundreds that
have used it, that it is admitted to be the best Gang Plow yet
manufactured.

For Circulars or particulars and for purchase,
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WHOLESALE AND RETAIL,

409 & 411 Davis St., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsmen & Florists,

Dealers in all kinds of

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FLOWER SEEDS.

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FRUIT TREES, ORNAMENTAL TREES, GARDEN
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Having been constantly engaged in the SEED TRADE
for TWENTY YEARS, we claim to know the wants of the
Farmer, Gardener and Florist, and it is our aim to always
have the most complete, extensive and reliable Stock of Seeds
to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds
in large and small lots as they desire, and our prices and
terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip,
Parsnip, Carrot, Celery, Peas,
Beans, Corn, &c., &c.

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ORILL CLOVER OR ALFALFA—FRESH.

AND PURE

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Our Sales of this Famous Clover was very large
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CHOICEST GRASS SEEDS.

Kentucky Blue Grass,
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Orchard Grass, Rye Grass,
and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds
is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail
to call and see our establishment, and we feel assured we can
supply and please them.

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409 & 411 Davis Street,
San Francisco.RANDALL'S
GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Ex
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New Advertisements.

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In fitted in the most elegant style, and a number
of first-class artists are engaged, who will en-
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any other similar institution.

Our Motto shall be, "First-class Work
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NEW STYLE

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WATER PIPE.

New Invention!

WOOD PIPE FOR

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This Pipe is made of all sizes, from ONE to TWELVE
INCHES BORE, and suitable for conducting Gas, or Wa-
ter, will bear as heavy a pressure as Iron Pipe, and will
endure an equal length of time, and at much less cost.

This Pipe will be found valuable upon large "Stock
Ranches," and in Orchards and Vineyards.

Descriptive Catalogues, with the List of Prices can be had
on application to

H. F. WILLIAMS,

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POTATO PLANTER.

The Potato Planter—a Great Labor Saving
Machine—by which a Man, Horse and Boy, can
do the work of

Twelve Men.

The Machine CUTS, PLANTS, and COVERS,
and does the work admirably, leaving a nice
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For Sale at the

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CHEESE CURD
CUTTERS

Of all Sizes,

FOR SALE AT THE OFFICE OF THE

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PREMIUM BROADCAST

SEEDER

AND

CULTIVATOR
COMBINED!

The Premium Gorham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the
State Fair at Sacramento in 1872, also at Modesto and
Chico—the only places it was entered. The Gorham
Seeder has been awarded the highest merit that prac-
tical farmers can bestow, wherever it has been intro-
duced. Letters from the various Agents throughout
the States of California and Oregon speak of the suc-
cess and the perfect manner of its working, together
with the great saving of seed, time, and money in
sowing and covering, even beyond their most san-
guine expectations. This celebrated machine is des-
tined to supersede all other processes of sowing and
covering all classes of grain and grass seeds, as it is
capable of doing a greater amount of work, and bet-
ter work, with a saving to the farmer from one-fourth
to one-half the ordinary expense. From many sources
comes the intelligence that one of the Gorham Seeders
will pay for itself from one to three times the first
year, and with ordinary care the machine will last for
ten years. MAKE THE COMPARISON, AND BUY
A GORHAM SEEDER.

Read the numerous letters from practical farm-
ers who have used it on the Pacific Coast. Any one
desiring to learn more particularly of its merits, is re-
spectfully invited to write to any of the parties men-
tioned herein for such information.

Modesto, April 30, 73,
A. H. BUNKER—Permit me, as well as so many others, to
say something in praise of the GORHAM BROADCAST SEEDER
and CULTIVATOR. Last winter I bought of W. J. Houston, of
Modesto, the Sixteen Foot Seeder, after using them, I find
that for saving of time, labor, seed and expense, and the per-
fect manner of doing the work, that I have no hesitation in re-
commending them to every farmer as one of the best machines
in the world. Too much praise cannot be said in favor of the
Seeder. Respectfully, J. W. MITCHELL.

WALAN'S RANCH, COLORADO CO., March 5, 1873.
Messrs. A. J. BUNKER—We have used the Ten Foot Gor-
ham Broadcast Seeder and Cultivator, purchased of you, and
cheerfully testify to its merits. We liked it so well that we
shall want to purchase another. We have sowed about Five
Hundred acres with it this year, giving it a fair trial. If we
could not replace it we would not take a thousand dollars for
the one we have. The Machine will accomplish all you re-
commended it for. One of our neighbors has one and speaks of
it in the highest terms. You can use it if you wish for pub-
lication. Yours truly, SHERMAN & VERONKER.

A. J. BUNKER, Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
At KILLEN'S & Co. Ag. Warehouse,
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40.6



SEED WHEAT.

I now offer to farmers of the State a quantity of that un-
equalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT,

Price, Five Cents per Pound

In Lots of less than a Ton. For one Ton and upwards Four
Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Noor, Chico, or Wm. Van
Woert, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF
BUTTE" to Wheat Raisers are its great prolificness, small
amount of seed required, short, stout straw adapting it to
rich lands and Summer-fallow. For quality and quantity of
Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize.
The Flour made from it also won the Premium.

WM. VAN WOERT,

Nord, Butte County, Cal.



200 Pages; 500 engravings, and Colored Plates,
Published Quarterly, at 25 Cents a Year. First No.
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Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant
ALFALFA can have Samples of the different
kinds sent to them with prices of each, and
full direction for

SOIL, CULTURE,

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A FINE HOME

FOR SALE.

A very fine located Farm of 186 Acres of Choice
Land, about one mile from Calistoga, in Napa
County.

Forty Acres of this Land is cleared and fenced,
Living Streams of Water run through this Farm, and
abundance of Mountain Trout are in these streams,
Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12
by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair.
On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best va-
rieties in bearing, with 30,000 young vines in nursery
of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China
Pigs, a new 4-horse Wagon, a new Cart, Buggy and
Harness complete, and all kinds of Farming Tools
needed for a well kept Farm.

There are other valuable items and properties con-
nected making this place one of the most desirable for
a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the
State, which is the only reason for offering the place
for sale.

The Farm and Buildings with Stock and all com-
plete will be sold at a Great Bargain if applied for im-
mediately.

Address L. B. S. at the FARMER OFFICE for
4 weeks from this day, as the place will be sold
quickly. 39.24

TO GRAIN, COTTON AND
WOOL GROWERS.

The undersigned are prepared to extend every
facility to Farmers who desire to ship their produce
abroad.

We will advance liberally on any shipments, only
charging interest at the rate of 5 per cent, per annum.
Freight at the chartered prices paid the ship, Insurance
and other charges at the lowest rate obtainable, thus
netting the shipper the full value of his crops, while
paying the lowest interest for his funds.

Any further information desired will be promptly
furnished.

J. C. MERRILL & CO.,

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SAN FRANCISCO.TREES,
PLANTS & BULBOUS ROOTS

For AUTUMN of 1873.

Ellwanger & Barry offer to Planters and Dealers the
largest and most complete stock in the country of

Standard and Dwarf Fruit Trees,
Grape Vines, Small Fruits,
Ornamental Trees, Shrubs, Evergreens,
New & Rare Fruit & Ornamental Trees,
New & Rare Green & Hot House Plants,
Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt at-
tention to all inquiries.

Descriptive and Illustrated Priced Catalogues sent prepaid
on receipt of stamps, as follows:

No. 1.—Fruit, 10c. No. 2.—Wholesale, (Just Published.)
Free. No. 3.—Bulbs, Free. Address:

Established 1840. ELLWANGER & BARRY,
33.24 Mount Hope Nurseries, ROCHESTER, N. Y.

Home Miscellany.

THANKSGIVING HYMN.
HYMN FOR HARD TIMES.

[We select the following excellent lines from the Poems by Rev. Wm. B. Tappan, of Boston, published in 1846, as appropriate now, when so many of the Rich and powerful have been called to see their vast boards of wealth used for their own aggrandizements, only side away like the morning dew.—Ed. F.]

Thy blessing, gracious Providence,
If thou to man reveal,—
The manufacturer piles his art,
And commerce spurs the wheel.
On still to plan, and toll to frame,
If thou thy smile bestow,
The vein is reached, and streams of gold
Run in perpetual flow.

But when Thy frown appears, the tide
Rolls back with angry power;
And then, oh! God, what dreams of pride,
Years built—die in an hour!
How strangely vanish yellow hoards,
That pulchritude has raised!
How trifling is the taborish, then,
When wisdom's self is mazed!

If in the mighty gulf is whelmed
One who has bowed to self,
Or one whose narrow purposes
Have centered in himself,
By this sharp trial show to him—
Perhaps a less new,
That he alone lives up to Man,
Who lives for others too.

And if thy finger him has touched,
And latest prospects riven—
Who, as Thine almsman, dispensed
Thy gifts, as dews of heaven—
Whose heart, that was not wed
To those, do Thou reduce;
And by his kind rebuke made
Yet more Thy servant true.

Oh! it is merciful that thus
Thy chastening hand is felt,
When we, departing from Thy shrine,
Have to our idols knelt.
Then let this call, so loud, so stern,
Which our whole nation hears—
How sweetly win us to retire,
In penitence and tears!

UNSAID.

For days and weeks upon the lip was hung
A precious something for an absent ear—
Some tender confidence but lately sprung,
Some dear confession that but one must hear.

The heart repeats it over day by day,
And fancies how and when the words will fall—
What answering smile upon the face will play,
What tender light will linger over all.

But eager eyes that watch for one alone
May grow reluctant; for the open gate
Let in, with him, perchance a guest unknown,
On whom slow words of courtesy must wait.

Or when the presence waited for has come,
It may be dull or cold, too sad or light;
A look that shows the heart away from home
Can often put the dearest words to flight.

Perceive the time of meeting, or the form,
May chill or wither what we longed to say;
What fits the season will not fit the storm—
What blends with twilight, jars with noon of day.

Again, when all things seem our wish to serve,
Full opportunity may strike at dumb—
May sink our precious thoughts in deep reserve,
And to the surface bid the lightest come.

And often ere our friend is out of sight,
We start: the thing can scarce be credited—
We have been silent, or our words been true,
And here's the dearest thing of all unsaid!

—Lippincott's Magazine.

GOOD AND BAD.

In men whom men condemn as ill
I find as much of goodness still;
In men whom men pronounce divine,
I find as much of sin a while—
I hesitate to draw a line
Between the two, where God has not.

SILENT INFLUENCE.

If a sheet of paper on which a key has been laid, be exposed for some minutes in the sunshine, and then instantaneously viewed in the dark, the key removed, a faded specter of the key will be visible. Let this paper be laid aside for many months where nothing can disturb it, and then in darkness be laid on a plate of hot metal, the specter of the key will appear. This is equally true of our minds. There, which under ordinary circumstances, are invisible, never fade, but in the intense light of cerebral excitement, start into prominence, just as the specter image of the key started into sight on the application of heat. It is thus with all the influences to which we are subjected,

The world is full of need; unless we wisely spend our means, we are sure to require them all the more. But that is a poor life which helps no one. But it is only by economy that one can possibly have the joy of assisting others. This, too, is worth planning for.

Some poor, but pretty girls attract lovers by the face; some plain rich ones by the figure.

What is the champion condemner? Life, because everybody has to give it up.

A SINGULAR CASE.

For months I have been in the possession of facts concerning the alarming mental condition of a young lady residing upon Prospect street, in —, who was once the pride of her parents and the delight of her friends, yet who has recently become so changed as to cause great anxiety to her relatives and friends among the neighbors; and the case being one of great singularity, now demands publicity. Her father says he first noticed her idiosyncrasy last January, one morning at the breakfast-table, when she not only acted as if in a state of great happiness, but said, "If you please," and "Thank you," as she asked for food and was served. A day or two later her mother found her in her room darning stockings, instead of reading novels, and she also appeared in the kitchen a day or two later, and insisted upon helping her parent in the labor of baking and making pastry and bread. A physician was at once called in, who, unknown to the patient, watched her through the keyhole for an hour while she was engaged in repairing her little brother's torn trousers and sewing buttons on her father's shirt. The doctor said he had practiced twenty-five years, and never during his entire medical practice had he seen any young unmarried female manifest such symptoms as those witnessed. Her appetite, however, seemed to increase rather than diminish, and a rosy flush was observable on her cheeks which had not been seen before. But the most singular symptom was developed a few days since, when her father, hoping to draw her from her new ideas, placed two hundred dollars in her hands, with the remark, "There, Nannie, rig yourself out in a nice new dress." She immediately replied, "I do not need a new dress, and, if you will let me keep twenty-five dollars of this to pay old Mrs. Macdunnagany's rent—her husband has just died, you know—I had much rather you would take the rest of the money and apply it to that new property you have purchased." The old man looked at her for a few minutes, and then fell upon the floor in anguish, saying between his sobs, "Her mind is gone! her mind is gone!" I called to see her, yesterday, and found her building a nice pudding and putting a meager roof of frostwork on a fruit cake. But there was a look in her eyes that told too plainly she was not long to be seen in her elegant home. A solitary ring on her forefinger told the near approach of the winged and youthful destroyer who awaits his victims with arrows; and as I left the premises, a young man in spring bottom pants and a white hat bounded up the steps with the air of one who knows the affair will soon be over. She will pass away some morning in June. No cards.

WHAT SHALL BE DONE WITH THE BOYS?

It is as impossible to make a physician, a lawyer, a chemist, or an engineer of a boy, if he has no special taste or aptness for these professions, as to make a poet out of a Digger Indian. The great mistake which parents are apt to make, is in thinking that only what are usually termed the "professions" are genteel and suited to their aristocratic notions of their sons' ability. Now the truth is that there is no field in that direction, except for more than average talent. At present, the best opportunities are offered to young men in the field of commerce and business; and parents will be wise that educate their sons with that view. It is better to live as an independent man of business than to starve as a fifth-rate lawyer or physician. Young men who receive a thorough and careful business training are almost certain to succeed. It imparts habits of industry and of perseverance; it gives them confidence in their ability to take care of themselves; it imparts to them a trade by which in the midst of all reverses they can earn an honest living. Parents, having sons to whom you would give the best opportunities, consider the advantages offered by Heald's Business College. Here young men are educated with direct reference to success in after life. Read what we have to say of the College, visit it and see what is now doing for the pupils under their charge; then you will be no longer in doubt as to what shall be done with the boys.

THE EFFECTS OF WORRY.

That the effects of worry are more to be dreaded than those of simple hard work, is evident from noting the classes of persons who suffer most from the effects of mental overstrain. The case-book of the physician shows that it is the speculator, the betting man, the railway manager, the great merchant, the superintendent of large manufacturing or commercial works who most frequently exhibits the symptoms of cerebral exhaustion. Mental cares accompanied with suppressed emotion, occupations liable to great vicissitudes of fortune, and those which involve the bearing on the mind of a multiplicity of intricate details, eventually break down the lives of the strongest. In estimating what may be called the staying powers of different minds under hard work, it is always necessary to take early training into account. A young man cast suddenly into a position involving great care and responsibility, will break down in circumstances in which, had he been gradually habituated to the position, he would have performed his duty without difficulty. It is probably for this reason that the professional classes generally suffer less from the effects of overstrain than others. They have a long course of preliminary training, and their work comes on them by degrees; therefore when it does come in excessive quantity, it finds them prepared for it. Those, on the other hand, who suddenly vault into a position requiring severe mental toil, generally die before their time.—Chambers' Journal.

The new bonnet again.—"Wife, do you know that I have got the pneumonia?" "New moogle, indeed!" "You're the most extravagant man I ever did see—to go and lay out money for such trash when I need a new bonnet so much!"

PRESERVING GRASSES, FERNS AND FLOWERS.

Even the Horticulturist has its artistic fasciae, and it is a pleasure to turn away from the consideration of such practical things as the garden, vineyard, and orchard, and bestow a little time and taste upon the window ornamentation. Our native ferns, grasses, etc., always afford scope for an infinite variety of arrangements in preparation for artistic home ornaments. The *English Farmer*, in speaking of grasses, says: "They should be gathered in July if we desire them to retain their bright hues without the aid of art. Gathered, then tied up in large bunches, and hung away in a dark closet, they come forth at our bidding fresh and green as when picked."

By brook sides and shady places we can find graceful grasses which will prove additions to our winter bouquets, but they will lose their coloring if gathered late, and require a dip into "Judson's green dye." Dye them again and they will last for years.

Wild oats, feather grass, and all their various species, are very ornamental in winter, and mingled with the everlasting flowers—*Acerolium*, *Xeranthemum*, and the white, yellow, and crimson *Helichrysum*, they vie with their more perishable sisters, whose glories are on the wane.

We have just arranged two small vases for the coming winter. The brilliant pink and white *Acerolium*, add much to their beauty.

The white *Helichrysum* can be dyed a brilliant purple or scarlet, with Judson's dyes, and exquisite bouquets can easily be manufactured. These "everlasting flowers" should be gathered as soon as the outer leaves open; tie them up in bundles as you pick them, and hang them up, flowers downward, to dry. Treated in this way, the stems are straight and more easily used. They can be hung to dry in one's chamber, not requiring a darkened place. Most of these flowers are allowed to remain too long upon the bushes, and their beauty is spoiled; as they become dark, under the frequent sweepings of carpets, we dip them in cold water; their petals close entirely. We dip the grasses also to clean them, else they will acquire a dingy hue.

CRYSTALLIZED GRASSES.

Many persons like Crystallized Grasses. They are easily made by dissolving one pound of alum in one quart of boiling water, suspending the grasses just over the steam—not to touch the water, and as it cools the crystals gather. Grasses need not be dried before they are crystallized. A few of them mingled with the green grasses and brilliant hued flowers, light up the wall.—*New York Horticulturist*.

PRETUL BABIES.

Babies often cry without any apparent reason; but a mother can usually discover a reason if she stops to think about it. And it is worth stopping to think about, no matter if the housework or sewing be delayed a while in consequence. Perhaps it has eaten something which disagrees with its stomach; perhaps it is thirsty, for little babies are often thirsty, and will drink a teaspoonful of cold water with the greatest eagerness, and be quiet and satisfied after it. Perhaps its little sock is tied too tight, as my baby's was the other day. I found a deep red mark around her little ankle, which at once explained her fretfulness. More likely than anything else, the bandied hand around its bowels—if happily one is there—or its skirt-band is pinched too tightly. I know a baby who has cried a great deal since its birth. I think the chief reason of it is because he has always been dressed too tightly. The mother said to me one afternoon when the child was so cross she hardly knew what to do: "I've a great mind to undress him and put on his nightgown; he is always real good then." So she did, and he commenced to be good at once. Mothers should search for all possible causes when their babies get fretful. They should not be too ready to attribute their crying to nervous temperament or to hunger, for it is more likely to be caused by the prick of a pin or an overfed stomach than either.—*Harsh and Home*.

A WARNING TO YOUNG MEN.

The American girl of books is an ideal existence. The real girl, who has just returned from the country, and is occupying herself with preparations for the approaching winter, is not at all difficult to describe. She is a girl of immense energy and but little physical strength. She has, if she can be judged by what she accomplishes, a noble digestion; or perhaps, to be more accurate, she has nobly triumphed over her digestion, and reduced it to complete submission. She is not highly educated, nor does she speak all foreign languages with smoothness and current idiom; indeed, she had been known to play strange tricks with her own tongue. She is lively, but not witty; she is fond of laughing, without earning very much at what she laughs; she is noisy and loud when she dares to be. As a general rule she knows little or nothing of those matters which used to be considered parts of a woman's education, and intends, if she is rich, to have house-keeping, when once she is married, done for her by some one else; and if she is poor she does not think about it any more than she can help. Her notions about marriage itself are a curious mixture of ideas derived from novels, poems, and such acquaintance with the world as girls get from the conversation of young men who dance the German with them through the winter, and walk on the cliffs at Newport with them in the summer. Her life, if she is rich, is in general one of thoughtless pleasure; if she is poor, her horizon is filled with the mirage of what she might be if she were only rich. She has in her mind an ideal husband, whom usually she does not marry. But the ideal American girl—we will not profane the memory of the happy age when all the world believed in her existence, by cynical comparison.—*The Galaxy* for December.

MATRIMONY IN AMERICA.

In ideal matrimony the husband and wife are not absorbed into each other by any means. They remain totally separate individuals, with their own aims, desires, and loves, but blending as it were into one whenever union is necessary. The wife in this marriage is no slave or toy of her husband, but his equal, companion, friend, and adviser, inspirer, stimulator, and even agitator. Him she meets with open, frank eyes, not in the barbarous fashion of western Europe, abashed and submissive; and him she leads on to a higher and nobler life, not administering to his base material comforts and ease, but urging him ever onward and upward. The ideal husband, knowing her to be his equal in every respect, mental and moral, naturally regards her with the deeper veneration that she is physically his inferior. This ideal condition, according to the account of many foreign observers, actually exists somewhere in this country—where we have never seen stated, but probably not in Connecticut, Indiana, or Illinois.—*The Galaxy* for Dec.

HOW ONE WOMAN GOT HER MONEY.

But one woman succeeded in fairly melting one of the Directors. She was a young woman, not particularly pretty, perhaps, but interesting, and she had tears in her eyes, and \$50 in the bank. She rushed frantically to one of the Directors, and asked him if she could not draw her money. "I am sorry, madam," said he, "but I can't help you to it just now."

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"But mine is an urgent case, and I can't wait, because—"

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The benevolent Director dove into his pocket and produced his private purse, out of which he paid her the amount. And she went on her way rejoicing.—*Chicago Times*.

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The character which this Magazine possesses for variety, enterprise, artistic wealth, and literary culture has kept pace with it; it has not led the times, should cause its conductors to regard it with justifiable complacency. It also attests them to a great claim upon the public gratitude. The Magazine has done good and not evil all the days of its life.—*Brooklyn Eagle*.

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Agriculture.

FAILURE OF THE RUSSIAN GRAIN CROP.

Partial and highly important information is received of the results of the grain-crops in Russia, in reference to which so much interest has been manifested, both in Europe and America. According to an official circular recently issued by the Russian Minister of Agriculture, the drought in Southern Russia, known as the granary of Europe, has been much more extensive and severe than supposed. In some districts there is not only a short crop, but there is danger that the inhabitants will suffer for the want of food before the next harvest. The Province of Obolev has been parched by the drought to such an extent that the whole country looks like a vast salt-plain with all the grain, turned to a crisp; the grain fields present a spectacle never before witnessed. In the districts of Odessa and Tiraspol the absence of all moisture has ruined the cereal fields, grass has been converted into hay on the meadows at this early date, the leaves on trees have turned yellow and fall. In the district of Orel starvation stalks the population in the face, and a fat clay soil is devoured by the people in some localities, deprived as they are of food of any kind. The crop of Simferopol, in Tauria (the Crimea), in the meantime, is also reported to be a complete wreck, with no hay left, the surface presenting an unintercepted waste of bleached vegetation. In Tataristan the heat has been intense, and nothing remains but some sickly-looking grain-fields. Whatever there remained during midsummer the ground caterpillar has eaten, eating the roots below the surface. Locusts have appeared in the country of the Don, Nova-Tcherassk, driven away by scarcity of food from the remaining grain districts, and are now destroying the little left in the country. Great irregularities of growth both in this district and the other grain regions have, from the commencement of the season, been the most noticeable feature. The importance of this news can hardly be over-estimated. Southern Russia is the chief source of grain supply for the nations of Northern Europe, and these supplies are now not only cut off, but there is a probability that the inhabitants will become competitors for cereals at all the Mediterranean ports.

The position is serious. It is now evident that the margin between European supply and consumption will be exceedingly close. Extraordinary efforts will be required to bring forward the surplus of other grain producing countries in time to meet the deficiencies of France and England. The situation now stands thus: Europe will require this year nearly, if not quite, twice as much breadstuffs as usual, while the most important source of supply is cut off. That the news from Russia admits of later and better modifications is scarcely to be hoped. The Russian government would naturally be supposed to be sufficiently well informed of the facts before making an announcement to the world of so portentous a character. The publication of the news was no doubt determined upon, and wisely so, as a precautionary and remedial measure, so as to lead to proper economies and foresight on the part of the people more directly concerned.

Later unfavorable news has also been received by the partial blight of the potato crop, which, until a short time since, exhibited the most prosperous indication. The loss is estimated by Thomas O. Scott, the statistician, at a total of 1,690,000 tons, equal in money value at present prices in England, at from \$40,000,000 to \$45,000,000. The effect of this partial failure of the potato crop, will of course, be to augment the already large food requirements of the country, which are now likely to exceed last year's demand instead of falling below it, as was anticipated. It remains to be seen what effect the failure of the South Russian crop will produce upon prices. That it will stimulate competition for the world's surplus of breadstuffs cannot be doubted. —Boston Cultivator.

CARE OF LIVE STOCK.

The following good counsel we find in the *American Farmer and Rural Register*, and we commend it as most excellent advice to all who are growers of stock:

Cattle.—It is to your advantage, if they are worth keeping over the winter at all, that they should be well wintered, and the first step to this, is that they be not allowed to fall off at the very beginning. All the extra feed which can be now put into milk cows and growing calves will at some time not remain return you a profit. The pastures are of course running short, and a mass of meat or middlings at night, with hay or stalks, will not come amiss. Do not allow your cows to be exposed to cold rains, and if possible give them the shelter of a shed or stable at night.

Sheep.—Some provision ought to be made for keeping these dry and warm. They ought also now to be allowed some hay and a little grain or bran. Do not neglect to salt them regularly and give them a chance to go on the pasture every day, no matter how cold the weather, so it is dry.

Horses.—Endeavor as far as possible not to expose them to cold storms. Feed well and regularly; give comfortable quarters, and do not fail to see that they are properly rubbed down and cleaned when coming in from a day's work on muddy roads. Humanity to working animals is repaid by actual returns as well as by a clear conscience.

Pigs.—Young pigs which are to be kept over should be pushed ahead, and for breeding sows each should be retained as well made and of good size. A thor-

oughbred boar, if not already used, would be a good investment, and the improvement in the first litters would pay his cost.

Fattening Hogs.—Give these good dry quarters, with plenty of bedding, which should be removed as often as necessary. Keep in their pens rotten wood or charcoal and give them occasionally a little ash, salt and rice, mixed in with some of their food. Give them fresh water and forward their growth as much as possible. The earlier they are ready for the knife the more profitable, generally, they will be found.

THE VALUE OF THE CLOVER PLANT.

In our remarks upon the cultivation of wheat in our August number, we incorporated some views of Prof. Voelcker, of England, on the supply of ammonia to that crop through the medium of the clover plant. His position, as was shown in the same paper, was confirmed by the figures furnished in the analysis of Dr. Lee. We again refer to the statements there made, and ask the attention of intelligent readers to the facts presented as worthy of their serious consideration. Ammonia is one of the three or four components of a perfect manure, and is decidedly the most costly of all others, and is now generally supplied for agricultural purposes, as supplemental to stable manure by means of Peruvian guano, and if the farmers and planters of this country, and especially of the South, can procure from the clover seed and the clover plant the means of fertilization without the expenditure of a dollar for commercial manures, the regeneration of their lands from their present depressed condition is near at hand.

The discussion of the theory of the action of clover as a fertilizer having been recently entertained by a club of very intelligent farmers, whose meeting we attended, we promised to publish in the *Farmer* for this month a paper from Prof. Voelcker on the subject, in which he presents some views which, as he admits, appear paradoxical but which he shows are not inconsistent with practice, nor really, with the theory of chemistry. Prof. V. is not only a chemist, at the very head of his profession, but tests his theory by practical demonstrations upon his own farm, and the conclusions at which he has arrived upon the subject in hand were predicated upon experiments and observations which had occupied his time and attention for the preceding ten years.

PROF. VOELCKER'S EXPERIMENTS.

It is well known to most practical farmers that if they can succeed in growing a good crop of clover, they are almost certain to get a good paying crop of wheat. You see how all agricultural matters depend upon each other. I have come to the conclusion that the very best preparation, the very best manure, if you will allow me thus to express myself, is a good crop of clover. Now, at first sight nothing seems more contradictory than to say that you can remove a very large quantity of both mineral and organic food from the soil, and yet make it more productive, as in the case of clover. Nevertheless it is a fact, that the larger the amount of mineral matter you remove in a crop of clover, and the larger the amount of nitrogen which is carried off in clover hay, the richer the land becomes. Now here is really a strange chemical anomaly, which cannot be discarded, and invites our investigation, and it is an investigation which has occupied my attention, I may say, for more than ten years. This clover investigation has very much interested me for a great number of years; but only during the last season have I been able to bring it to anything like completion, so as thoroughly to explain the strange anomaly that is presented to us in the growth of clover as a preparatory crop for wheat. The explanation is very simple, though puzzling when you know not the chemical points that are involved in the investigation. I cannot say myself the explanation of showing to you in a few figures that, in a thorough chemical point of view, clover is the most exhausting crop that you can possibly grow, while in a thorough practical point of view it is the most restorative crop, and the best preparation for wheat that you can possibly grow. Now if we examine what is taken from the land in the shape of clover, we shall find that, assuming an acre of land to yield four tons of clover hay, these four tons of clover hay will remove 672 pounds of mineral constituents, and not less than 224 pounds of nitrogen, which is equal to 272 pounds of ammonia. Four tons of clover hay, the produce of one acre, must contain a large amount of nitrogen, and remove from the soil an enormous quantity of mineral matters abounding in lime, potash, and also much phosphoric acid. Now comparing what is removed by a crop of wheat, we find that, in a clover crop, we remove fully three times as much of mineral matter, and a great deal more, six times as much I believe, of nitrogen, as we do in a crop of wheat. The total—to give the exact figures—of mineral matter removed in an average crop of wheat, amounts to 175 pounds an acre—that is, taking in both the grain and the straw; the total amount of nitrogen removed in the grain of wheat amounts to only 26.7 pounds per acre, (not quite 27 pounds) and in the straw of wheat 19.2 pounds, or in both together 45.9 pounds of nitrogen, which is only about one-fifth of the nitrogen contained in the produce of an acre of clover. We should, therefore, naturally expect that clover, which removes so much more nitrogen from the soil, would be greatly benefited by the application of nitrogenous manures; but the reverse is the case. What it is well known, is benefited by the application of nitrogenous matters, but clover is not. On the other hand, clover is benefited by mineral manures, and at the same time it leaves the land in even a better condition in this respect for the succeeding crop than it is without the intervention of clover. I believe a vast amount of mineral manure is brought within the reach of the corn crop by growing clover. It is rendered available to the roots of the corn crop, while otherwise it would remain in a locked-up condition of the soil, if no resource were had to the introduction of the clover crop. Clovers, by means of its long roots, penetrates a large mass of soil. It gathers up, so to speak, the phosphoric acid and the potash which are disseminated throughout a large portion of the soil and when the land is plowed the roots are left in the surface, and in decaying they leave in an available condition the mineral substances which the wheat plant requires to enable it to grow. Although in clover hay these mineral matters are removed in great quantity, yet the store of mineral food that we have in six or twelve inches of soil is so great that it is utterly insignificant in comparison with what remains; in other words, the quantity of mineral matter which is rendered available and fit for use for the succeeding corn crop is very much larger than the quantity which is removed in the clover hay. But the accumulation of nitrogen after the growth of clover in the soil is extremely large. Even when the clover crop is insignificant a large quantity of nitrogen amounting to tons is accumulated in the surface soil, and the better the clover crop the greater is the accumulation of nitrogen. In one of my experiments I tried to determine the amount of nitrogen which is left in the portion of a field when the clover was comparatively speaking, poor; and I found that on the brow of the hill in that field (for it had a considerable declivity) the clover was weak, the produce was not so large as in the level, 50 lbs. while at the bottom of the hill, where the clover was stronger, there being more soil, it was 2 tons 2 cwt. 51 lbs. Observe, too, that at the bottom of the field the wheat was always better. Now, it is in virtue, I believe, of this nitrogen that the wheat grows so much more luxuriantly.

—*American Farmer and Rural Register.*

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Horticulture.



THE POMEGRANATE.

This truly beautiful fruit deserves more attention than it obtains in this country. To bring it to perfection, a very warm south wall should be appropriated to it, and it should be trained fan-shaped, and thinly spread on the wall, so as to admit as much sun heat as possible. I recollect many years ago seeing it well done at Walton-on-Hill, in the garden of the Earl of Tankerville, where it annually bore some beautiful fruit, but whether they were fit for table or not I do not now recollect. There are three fruiting varieties of it, The Sweet, The Seed, and Acid-fruited; the first is the only one worth cultivating for the fruit. There is also the ornamental variety—white, white, and yellow, with double blossoms, very ornamental. In their cultivation the plants require extra care. Grow in small boxes, about a foot square, most charming and well-flowered little plants are regularly brought to the flower market, and well with a ready sale. The reason we do not succeed with them is, we do not get the wood thoroughly ripened, and we do not give them enough of rest. The same observation applies to Orange trees and many others. There is a popular error that an open mild winter brings an early spring; and we say nearly all our periodical giving succumb to the fallacy, because in some warm nook a Primrose, a Snowdrop, or the Lady Anemone, etc., dates to put in an appearance—Scott's Orchardist.

The above notice of this beautiful fruit applies to European or Eastern localities, where the Snow and Frost are found more or less half the year, but here in California we need only to plant the Pomegranate in any of our Valleys in good rich deeply cultivated soil and fruit can be grown to perfection. This fruit is now common in our market, and on all retail Fruit Stands.

Dr. Stenzel, of the Alhambra Gardens at Martinez, is the largest and most successful grower, having a large plantation of them, and giving a large quantity annually.

The Pomegranate makes a splendid Hedge Plant, its rich glossy leaves, and its bright crimson blossoms make it a "thing of beauty."—Dr. F.]

GLADIOLUS FROM SEED.

Young customers would fail to grow Gladioli from seed, we have not tried to encourage its sale. Sown in a rather cool place, early in the spring, in a seed-bed, and kept watered in dry weather, bulbs in the autumn will range from the size of a pea to a Hickory nut. The bulbs must be taken up before hard frosts, dried for a few days, then cleaned of the tops, and stored away in a moderately cool and dry place for spring planting. Plant in rows four or five inches apart, and the largest will flower the second season. The following extract of a letter from a customer in Illinois, is encouraging:

Mr. Vick:—I must tell you about the Gladioli I bought from seed you sent me four years ago. Some bloomed the second year, the last has bloomed this summer. I have about twenty-five different kinds, and the most beautiful Gladioli in this part of the country—large flowers, and very handsome, and two double ones. I wish you could see them. I don't believe Mr. Vick could beat them.—Mrs. M. B. Sheridan, Ill., in Vick's Catalogue.

MAKING A BOTANIST.

Any one will be pleased to notice how curiously and beautifully the Fairy is constructed. The stem in a little cluster looks like the body of some insect. It is that the celebrated American Botanist, Britton, who was at that time a farmer, picked in the field a little "Heartsease," and carelessly commenced to tear it to pieces, as many thoughtless people do. It always seems so feel unpleasant to see any one chew up a flower or pick it to pieces, and this is the only case in which we have known any good to come of it. Here, on a cold, a strange resemblance to an insect in the case of stems bunched together, took it home, examined it carefully, became a Botanist, opened a correspondence with Linnaeus and other great Naturalists of his day, and soon became one of the greatest, dying loaded with honors from almost every scientific society in Europe—and the field is still open, the laurels are far from being the least of great works of nature. In one of the numbers of this year we propose to give some articles that we hope will be useful in attracting the attention of the young to the study of Botany, and also add to its attraction.—Vick's Floral Guide.

ASHES IN THE ORCHARD.

A. W. Hoffman, of Des Moines, writes to the Iowa Republican that ashes are worth one dollar per bushel to put about fruit trees, and that he would not sell his orchard at that price and do without their use in the orchard. He has used ashes about fruit trees for fifteen years, and during that time has never seen a better where ashes were used. The best is a terrible pest to the fruit-grower, and if all other impediments to successful growing were as easily overcome and completely controlled as the borer, then fruit growing would be very successfully practiced. At the recent meeting of the Fruit-growers' Association of Ontario, Mr. Moodie stated that he had been in the habit of using unleached ashes as a manure for his fruit trees, and that he values them more highly for this purpose than barn yard manure.

The Agricultural Department has issued a circular to the correspondents in the Southern States, asking for information relative to the use of Paris green and other poisons in destroying caterpillars. It is stated that the total loss by the cotton caterpillar sometimes amounts to \$40,000,000 or \$50,000,000 in a year.

SPLENDID SHOW ROSES.

The constant accession of new and beautiful Roses both in England and France, should induce our own Florists to secure these Gems for our State where they would show in greater perfection than in any other part of the world, the Eastern Florists have the most of them.

We annex a list of new Roses, recently shown at the Exhibitions at Philadelphia and other places and reported by the *Gardener's Monthly* for November.

The Monthly says:

"We will just jot down the names of a few favorite kinds well and frequently shown other than those already mentioned. They were Prince Camille de Rohan, Louis van Rott, Pierre Notting, Monsieur Boncenne, very dark; Marquis de Castellane, Madlle Eugene Verdier, Abel Grand, Marguerite de St. Amand, or St. Amand-Elle Morel, Emilie Haasberg, Marie Baumann; Paul Baron becomes coarser and coarser, though so large, gaudy and coarse and Maurice Bernardson, close and symmetrical, splendid color, but appear falling behind Clemence Joligneux, Ferdinand Lensepe, Viscontessa, Yveline, Antoine Dasher, Old Comte de Natoull, Devienne Lamy, Madame Morel, fine close cupped face, somewhat like a prize hollyhock, but flatter, large; Lucile Madame Jacquin, Charlotte Corday, Victor de Ebian, Marquise de Mortemarte, Leopold I, Victor Verdier, Jules Margottin, and a few others were also sparsely scattered abroad, but to extend our list further would encroach too much on the space at our command.

The Yellow Roses were well represented, interspersed with other tints, as well as an mass in the class for a collection of yellow roses. They were, of course, Maréchal Niel; Céline Forestier, Triomphe de Rennes, and Gloire de Dijon. Others were Boud d'Or, fine, and Mad. ame Margottin, which appears coming into vogue."

A little fellow was eating some bread and milk, when he turned around to his mother and said: "Oh, mother, I am full of glory. There was a sunbeam on my spoon and I swallowed it."

Cure for Coughs or Colds.—As soon as there is the slightest uneasiness of the chest, with difficulty of breathing or indication of Cough, take during the day a few "Brown's Bronchial Troches."

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us *Free* at all months or weeks of the year—this is our custom, those who are in want should always call when in the city we shall be glad to see them at our Reading Room, always open and free to all.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Travel over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most commodious and comfortable Homes for those who journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Alameda Hotel, and the most beautiful region around our city—we can hardly commend them to whom we speak from personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GETTER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.
Callisto Hotel..... Callisto.

BIG TREES OF CALAVERAS.

Via Western Railroad and Cuyamaca Falls.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE; ALMADEN MINES, &c.

The Alameda Hotel..... San Jose.

SANTA CRUZ AND THE BEACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.

Yosemite Valley.

Hutchings' Hotel..... Yosemite Valley.

MARIN COUNTY.

Marin Hotel..... San Rafael.

Travelers who are strangers can rely that at these Hotels they will find the best and kindest attention and courtesy, and will never be imposed upon by exorbitant charges.

SPLENDID VINEYARD

FOR SALE!

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 8,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 25 Acres seeded to Alfalfa, and 20 Acres more of Summer Fallow land ready for seeding. There is now upon this place a good Dwelling House built of 5 Rooms, with Kitchen, &c., a good granite walled cellar under the same; 16 feet deep—a Good Barn, a Wine House 44x22, with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmidt's Improved Copper Still that cost \$1,200, a Grape Crusher, a Squeezer and Pump 16x20 with all needed apparatus, and Farming Tools sufficient for the place.

Choice Fruit Trees enough for Home use, plenty of Wood on the Farm, two fine Wells of Water and a living Stream of Water running through the land. This Vineyard is located two miles west from "Shingle Springs" in Eldorado county, only Three-eighths of a mile from the P. & V. Valley Railroad, and is finely located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a Great Bargain, if applied for soon.

Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER.

406.



Thirteen First Premiums

RECEIVED IN 1887 & 1888.

FOR THE BEST

WHITE AND RED WINES

Gold Medal Awarded

BY THE STATE AGRICULTURAL SOCIETY, 1887

MILWAUKEE

BY THE MECHANICS FAIR, 1888.

FOR THE BEST SPARKLING WINES.

LANDEBERGER & CO.

30-12.

422 to 429 Jackson Street.



A. H. CUMMINGS, M. T. BROWN, J. F. FARMER.

Seeds! Fruit! Produce!

CHOICE FRUIT OF EVERY DESCRIPTION WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds always on hand.

Also Vegetables, Honey,

Nuts, Butter, Eggs, Fish, &c., &c.

Strictest care used in Packing Fruits and Produce for Nevada, Utah, Colorado and the Eastern States.

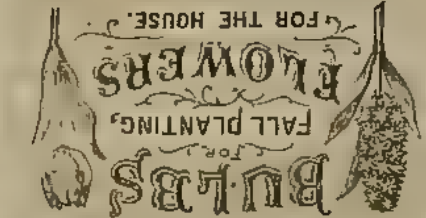
Orders solicited by

A. H. CUMMINGS & CO.

30, 32 Second and 58 J Street,

40-8

SACRAMENTO, CAL.



THE FOURTH NUMBER OF VICK'S FLORAL GUIDE FOR 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 5 cents.

First number for 1874 will be ready to mail Nov 15th.—It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address, -39 23 JAMES VICK, Rochester, N. Y.



THOS. A. GAREY'S

Semi-Tropical Nurseries.

SAN PEDRO STREET,

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California.

Grafted Orange Trees a Specialty.

Address, P. O. Box 255,

THOS. A. GAREY,

Proprietor.

LOS ANGELES, CAL.

Send for Price List.

40-3

SPLENDID VINEYARD

FOR SALE!

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 8,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases the Vineyard can easily be enlarged as the soil is in the best condition for it.

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THE TITLE PERFECT.

Will be sold at a Great Bargain, if applied for soon.

Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER.

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THE GERKE WINE.

The Product of the Celebrated Bouquet Vineyard, Located at Vina, in the Foot Hills of Tehama County.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that which is now offered being the vintage of 1883.)

And in order to safely guarantee its purity, is sold only in

Rock Bottles bearing the Trade Mark, H. G. upon the Label

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COMMISSION SALES-ROOM

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience to purchase such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We do therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash or bill could be sent by Express, to be collected on delivery.

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THE CALIFORNIA FARMER.

SAN FRANCISCO.

THURSDAY EVENING, DEC. 4, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

325 Clay Street—Marble Building—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Fruits, Grapes, Potatoes, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM.

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, a well-worked illustration of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences—With a Cabinet of Minerals, Coins, and Curious objects of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also. Address: PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

Editor's Chair.

Here we shall hold our special weekly chat with Readers and Correspondents, and here we shall direct their attention to such articles in each issue of the FARMER, to which we would direct their special attention.

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements appear in our Holiday Numbers of which we shall scatter many Thousands should send to their favorite early, that they may secure good places and due attention, this is the season that advertising pays well.

OUR NEW VOLUME.

We XL upon entering our Fortieth Volume, and think we can claim title to XL, for our Faith has been excellent to carry on for Twenty Years.

Our European Letter will present some interesting matters to our Stock Men upon Horses and Hens worthy of notice.

Clara Atherton's Letter should be considered carefully. Woman's duties and Woman's influence are the layer that tells for the happiness and well-being of mortals.

Thanksgiving Week—No Paper.

Thanksgiving week we have never issued a paper for 20 years we reserved that week as among the periods that we should enjoy, and thus we have always taken that week as a special rest.

We hope all our Patrons fully enjoyed Thanksgiving the "Family Circle," having an abundance of the good things of Earth, and surrounded with happy hearts and joyous pleasures.

THE FARMER AMONG LEGISLATORS.

It has been our custom for Twenty Years to send the FARMER to the Decks of each Legislature for every session and we now renew our custom, we hope it will be an acceptable visitor to them each week, as we shall occasionally look in upon them and see how well they guard the interests of our State and Report all their good deeds.

NEW SONGS FOR THE HOLIDAYS.

The Musical Press of Mr. Gray, Esq., on Clay Street, now at full work with a heavy head of steam on, as Engineers say, and endeavoring to get in readiness all the Choice Songs and most Popular Ballads that can be published for the coming Holidays—the following have just been issued.

"The Bling My Mother Wore," a Ballad by Geo. T. Evans.

"I Feel the Cooling Spray," Words by G. O. Clayton, Music by Chas. F. Frel.

"The Wandering Alone in the Twilight," Words by G. O. Clayton, Music by J. E. Perling—these are all New and Beautiful Songs, such as are desirable for the coming Festival Season.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their wants.

CALIFORNIA PRODUCTS—EMIGRATION.

California products abroad are now turning the tide in favor of our State rapidly, and settling the population facewards to the "Golden State," and bringing hither the Gold of Europe and the Gold of the Eastern States also, with due care now, California will soon show her true course, take position and influence upon the Trade Map of States in all her vast resources and influences.

There has never been a period in the history of our State when from every outlook bright clouds of prosperity seem to be waiting their golden gleams upon us.

The past season has been a very propitious one for the Harvest have been gathered safely, and they have been abundant, in all the varied and increasing products of our rich soil and favoring season.

Our Cities and our State have been specially favored by a kind Providence with Freedom from the fearful Storms and Pestilences, and other dire Calamities that have spread so much Rain and Death elsewhere.

Our Public Men, our Capitalists, are wisely giving active aid to the importance of Manufactures and the Mechanical Arts, and by these efforts Manufactures are being erected, and these all important interests are progressing, great exertions are being made for the discovery and development of Iron and Coal Mines, while the Woolen Manufactures, Cotton Mills, Jute Mills, Sugar Factories are prospering well and working their full power, others of like character are springing up in new places, thus evincing a wide spread action for our Home Interests and a greater Prosperity.

Besides the very general prosperity of the Harvest in all our Agricultural Crops, our Flocks and Herds have largely increased both in their character for excellence as well as in numbers.

As an evidence of the important position now occupied by California in Europe and the Eastern States, it will be seen that in all their great Markets of Trade the Products of the Pacific Coast occupy a prominent place.

The hundreds of Noble Clipper Ships that go to England, Ireland and France, bear the "California" Banner, saying we bring the "Staff of Life." Our Wheat, our Flour, our Wine, our Wool, our Fruit, our Hides, our Salmon, our Hops and many lesser products are all known and appreciated in Europe and at the East, where the quality is known as the Best the world produces, and it is these rich products that is now attracting attention every where abroad and now attracting to our Golden Land the thousands and tens of thousands that will come to us now rapidly.

SHELTER YOUR LAMBS.

If ever the Voice of Humanity should awake, and be outspoken, it is now.

One of the most unusual storms that has fallen upon our State has just come upon us from one end of our State to the other, every County has been visited with either Snow, Hail or Rain, and it is one of great severity too, the atmosphere is unusually cold, a cold rain with snow more or less everywhere, and thus the "Lambs of the Flock" will suffer without great care.

Now is the time for the Stock Raisers of all kinds to look to his Flocks and Herds, Horses, Cattle, Sheep, Swine, Poultry, &c., all need care, all need shelter, without this the loss will be heavy, and we fear even now, that we have too many careless and thoughtless people who pay so little attention to their Stock, that the loss must be heavy, as the feed is very scarce.

With all the advice and counsel that has been given, few of our Stockmen ever raise a crop of rotting their Stock, when it is a fact that they can raise a Stock of Fifty Tons at less than \$1 per ton, and yet they neglect to do so, and in a storm like this the loss \$500 of \$1,000 in Stock.

COTTON IN SOLANO COUNTY.

As we have often said, that Cotton can be successfully grown in nearly every country in our State, we are receiving proofs that it is so emphatically.

We have just received a Sample of Cotton grown at the "Twin Sister Ranch" of Huxon, Kimball, Esq., located about 6 or 8 miles beyond Napa, but in Solano Co., that we believe is as fine and fair and as large "Bolls" as has been grown in any Cotton Region of the Merced.

This Ranch is high ground, used as a Vineyard, high and dry, no water, the Cotton was planted as an experiment, but proves it can be successfully grown in that region as well as anywhere else.

THE RACES, FRAUDS, GAMBLING.

The recent correspondence in relation to the "Great Four Mile Race," shows the propensity to fraud and wrong in all the races that take place, no matter how prominent the Horsemen may be, there seems a chance for money making by throwing off, and thus great frauds are perpetrated.

The Races at "Agricultural Park" and at "Stockton" have shown that the desire to throw off, and to win by unfair means, has fast hold of the masses that are connected with "Horse Racing," and the only cure for this kind of Fraud is to make it a PENITENTIARY OFFENSE.

VICK'S FLORAL CATALOGUE.

We have received copies of Vick's New Floral Catalogue for 1874.

It was supposed that last year Mr. Vick had done his best and sent out as good a Catalogue as could be designed, but we find that this year he had shown us many new and beautiful designs in the Floral World and prepared a Catalogue that may be called faultless—fully, success—most crown the efforts of such men as Vick & Son for they offer all that is desirable and at the most favorable rates—everybody should send them an order, and secure their beautiful Catalogue.

Mummy makes whisky. We all of us take our corn to the rich miller but have it ground.

CONGRESSIONAL AND LEGISLATIVE.

The period for National and State Legislation having arrived, the wheels of Government are again set in motion by the various political organizations that vote both States and the Nation.

The Message of President Grant has been published widely and read by millions, it is a Message worthy the Head of a Great Nation, and is universally approved as a very able Message, looking to the best interests of the people, and indicative of a purpose to guard all the interests of the Nation well.

Our own State Legislators are now assembled, ready for business as soon as fully organized for work, a fine body of Men, that look like Working Men, we believe good work will be done.

The Governor's Message is an elaborate document, and considered an able one, this winter we believe a New Era will be established, of genuine Reform in public Expenditures, we hope there will be less of party Spirit, and a more hearty union for the public weal.

California is a Noble State with glorious resources, and we trust our Legislators will have a Parental oversight and do all in their power for the development of the vast resources of our yet but partially developed Commonwealth.

Our present Legislators can do a great work and win enduring fame if they will lay aside the partisan spirit and work for the real good of California.

TREE PLANTING—GARDEN MAKING.

Nothing could be more propitious for the Orchardist and the Gardener than the present prospects of the Season. We have every evidence before us that we shall have an abundance of Rain—more perhaps than may be agreeable all at once, or in some places, perhaps an overflow here and there, but this is better than a Drought, it is better we shed tears than have a dry heart.

From indications everywhere it is certain that a very large area of land will be planted this year to Grain, more than ever before, at least 40 to 50 per cent, as there has already been an immense area dry planted already, and Grain in some places already up 45 inches. The Harvest of 1874 will need a Thousand Ships.

LOTTERY TICKETS! GAMBLING!

We are frequently in receipt of Circulars and Showy Bills, announcing some Great Lottery Scheme for the "Public Good," and at the same time asking us to Advertise it, and aid the cause by taking our pay in Tickets.

The last great scheme we have received is from one Simon Abeler, of Leavenworth, Kansas, as the Manager—said Lottery, or Grand Gift Concert is to establish a Juvenile Reform School.

The claim for this School of Reform is printed in their Circular in these words:

"The scheme is recommended to the public as not only legal but highly honorable, and worthy of support, as the instruction is much needed for the deprived and homeless youth of this our young State."

We should suppose that a better way could be devised for the homeless than to instruct them in Lottery business, and if the object is Reform, how can it be called honorable to teach the youth to Gamble, for it is nothing but Gambling, and children who may hereafter be pupils in such an institution will forever link with its history—Lotteries and Games of Chance. To say such a scheme is honorable is a violation of Truth—as a general rule these Schemes are only inventions of men scheming for themselves not others, and always linked with more or less fraud and wrong.

We take this method of replying to the Circular of Mr. Abeler and inform him This Journal will not Advertise Lotteries except in this style.

DON'T PLANT ON WET LANDS.

Remember! don't plant on wet lands—better wait a little, and wait for a good crop, or plants put in cold wet soil will not thrive, better wait a little till the wet subsides, and the earth gets warm and the gain will be greater for a little delay.

Do not leave the Garden grounds for some days after the rains are over and the warm rays of the sun has penetrated the soil, nothing more injurious than working the soil wet, no soil can be well handled or work well done in a wet condition, the earth should be like meal to work well and profitably.

THE OLD HARTFORD INSURANCE COMPANY.

Among the many Insurance Companies in our City, both Foreign and Domestic, no one Company has stood the test of Fire and time so well as the Old Hartford.

Amid the Storms of Fire at Chicago, at Boston and at Portland, although with heavy losses, these were all met promptly, and paid, and without perilling the Capital, and even leaving the Company with large assets, and ready for business at all points, having ample Capital.

We can say also that no Company is better managed, or better judgment shown in placing risks than the "Old Hartford," and thus there is greater safety in holding a Policy in the "Old Hartford" than in many Companies with less Capital and greater risks, besides this Company for a year or more has sustained but trivial losses while its business has been unusually large and profitable under the wise management in this Agency on the Pacific Coast of A. P. Elliot, Esq., who is well skilled in the Science of Insurance.

THE HOME GARDEN.

This is the title of a New Monthly Journal Published at St. Louis, Mo., devoted especially to Home Matters, rural life, &c., and not to the Cause of Grange in its name indication, but only as the word Grange means Home. The Publication is a neat and well got up Journal, and promises well and is worthy of support for the matter it presents.

VETERAN AGRICULTURAL IMPLEMENT DEALER.

Calling at the Warehouse of Messrs. Linforth, Kellogg & Co., on Front Street, we were much gratified to meet an Old Pioneer Agricultural Implement dealer there—the person of D. N. Hawley, Esq., an long established on the corner of Battery and California; and one of the first Houses of that trade established on this Coast.

We can well remember Mr. Hawley in '49, then of the Firm of Hawley, Sterling & Co., on Sacramento Street. We have quite an incident by which we can well remember the occasion—it was in August, '49, on meeting this firm, on our first arrival. As was the business custom then among Merchants, we were asked, which we had brought with us? We incidentally remarked we had among other things, an "Iron Horse," a "Carriage," a "Wheeled Barrow," and a "Plow," that was not likely to be of much account here, but says Mr. Sterling we will give you a good price for them. We brought them ashore in the Albatross, and left it entirely to the firm to fix the value. To our astonishment they very promptly fixed it at "about five times what we supposed the value," but it was "49" times and prices; we had no reason to complain, as what we supposed worth \$20 or \$30, realized over a hundred. We often traded with that firm, having a Store at Sacramento and one at Mormon Island, and was always liberally and kindly dealt with—the original Sacramento street, and their store was where the West Gate Bridge now stands, then some 10 feet below its present level and near the shore, and during Mr. Hawley's business of early days as was burned out six times.

Being down from the Mountains the night previous to the great Fire of May, we hurried to their store to offer aid, but human aid was of little use then amid that fearful Tornado of Flames, their stores were soon melted away. We then went to the Sand Hills where Mr. Sterling's residence was, and rendered what aid we could in saving his furniture by a removal to the hill far back, in this a portion was saved. This was our first acquaintance formed with Mr. Hawley—now nearly 25 years continuance. In all these years amid Plagues, Fires, and the various calamities which befall "Old Pioneers," Sickness and Death of Loved Ones, we have ever found Mr. Hawley firm and true, behind the cloud as in the sunshine, believing, "He doeth all things well."

Mr. Hawley is now established as Director of the Agricultural Department at the House of Messrs. Linforth, Kellogg & Co., where his Old Friends and Customers can find him; and where he will be glad to see them and serve them as of yore, so Agricultural Implements, Hardware, &c., and on the most favorable terms with the new Stock just received by that House.

BUY YOUR SEEDS.

Now that we have plenty of Rain and the prospect of one of the finest Seasons ever had, the time for Buying Seeds has come.

Messrs. J. E. SWENNEY, & CO.,

of this City, on Davis Street, who have for Twenty Years been constantly engaged in the business of Seed Selling, and large Importers and Wholesale and Retail Dealers, always keeping on hand the Largest and most Complete Stock of Seeds of any Seedsmen in our State.

By their Announcement in our columns it will be seen that they are now prepared to meet the wants of their numerous Patrons all over this Coast, and they say emphatically they can supply all, please all, and satisfy all, in quality, quantity, and terms.

THE ESPASO GRASS.

At the Society of Arts recently, Mr. Johnston read a paper on Espaso Grass, (Macrochloa tenacissima), now so largely used in the manufacture of paper. The leaf is the portion used, and the imports have risen from fifty tons in 1858 to over one hundred thousand tons in 1870, standing second in this respect to cotton only. The plant grows best on the sea coast of southern Spain and northern Africa, and there seems no reason why the culture should not be largely increased both in the native country of the plant and in other regions with similar climates, etc. The plant is reproduced by seed, by transplanting.—Gardner's Chronicle.

MESSRS. A. H. CUMMINGS & CO., SACRAMENTO.

We looked into the Fruit Warehouse of A. H. Cummings & Co., Sacramento, last week after Thanksgiving, and learned many facts of their extensive business, doing as we said before the greater part of the shipping of Fruit, Vegetables, &c., over the Railroad from that point.

This firm have in addition to their Headquarters on the corner of 2d and J Street a large Warehouse at 53 J Street, 160 feet deep and 40 feet wide, with a railway track through it to facilitate the carrying in and out their Stock easily and safely.

Their Warehouse is two stories high, well arranged for the business of sorting and packing, and shipping to all points with safety and despatch.

NEW ZEALAND FLAX SEED.

The New Zealand Flax can be grown with great advantage and profit in California, and become an article of large export to Europe. Thousands of tons are annually exported to Europe from New Zealand, realizing from £15 to £40, and even £50 per ton.

The New Zealand Flax will grow upon high or low land, wet or dry, good land or poor land, and like the Canada Thistle, once in is hard to get out, covering the surface in a little time slowly, and yielding an immense return.

Those who desire to know how New Zealand Flax grows and how it looks, can see two large plants in the Postoffice Grounds. The long broad leaves are the flax, each plant yielding heavily. Seed for Sale at Farmer Office.

THE GORHAM SEED SOWER.

[We have another proof of the excellency of this Great Seed Sower. Now is the time to get it.—Ed. F.]

JACINTO, CAL., Dec. 1st, 1873.

Al J. Bunker, Esq., Sacramento:

DEAR SIR—In accordance with my promise I now write you in regard to the Gorham Broadcast Sower and Cultivator.

I am now working the 12 foot Machine on adobe land. I set the Teeth about 5 inches deep on the first one, then follow it with another 12 foot with the Seeder in to sow and cover. By this process I put in 12 acres per day with 2 men and 8 horses on unbroken ground that a plow was never put in, and laying along side of 1000 acres of my summer fallow. Plenty of Practical Farmers have made the comparison, and say that it is better work than the summer fallow, at one half the expense.

I believe that you can sell fifty in this region if you can furnish them, as they will certainly take the place of anything else and become in general use, on account of speed and economy and by putting grain in the proper depth, cause fall to have a bountiful crop.

You can make use of this to assist your landable enterprise, and my best wishes for your success.

Yours truly, J. BAKER.

MADAME ANNIE BISHOP.

This distinguished Artist will hold a series of delightful Concerts at "Pacific Hall" next week at which all the Popular and Favorite Ballads which she so highly excels will be presented.

Madame Bishop will be assisted by that Trio Artists Mr. Frank Elder, the splendid Pianist and Mr. Wilkie, and Goldschalk Tenor and Bass, whose singing has given so much pleasure and also Mr. Linden as aid to the Concert.

We trust these Concerts will be well attended as a merit to true worth, as this is announced in the Farewell Concert of Madame Bishop.

SPECIAL NOTICES.

Vick's Splendid Bouquet.

Reader! we ask you to notice the New Advertisement of Vick's Bouquet, turn over the Advertisement to your hand, and turn over the amount you ought to purchase and send right away for this "Gems of Flora."

Photographs Without Sunshine.

It has always been supposed that a good Photograph could not be taken except in a clear day, but this is not the fact, at "Bayley's" New Gallery, on Montgomery Street, they have a peculiar way by their new Shades of light, by which they can take a picture as well in a cloudy day as in other, and a perfect picture too—go and try.

THE GATES OF PARADISE.

This Publication we have received, a Religious Essay by J. G. Kasten a Publication of 60 pages with a great deal in it worthy of careful reading and a daily practice of its purest precepts.

CATALOGUES.

We have received the Catalogue of H. Chiswick Brothers of the large Nursery of Young Fruit Trees, Roses, Camellias, Rhododendrons, Conifers, a very extensive list of these raised extensively and cultivated expressly for exportation. The list embraces the rare and best species of each class.

These Nurseries are located near Angora, (Mammoth Lake), Fresno.

Special Attention is called to the Advertisement of H. P. Williams, Esq., of the New Wood Press, which is now being used largely for all purposes named in the advertisement, and which is becoming popular and rapidly too. Call at this Office and see the Pipe.

REAL ESTATE, RANCHES, VINEYARDS.

Purchasers of these should look to our Columns for some Great Bargains now offered, chances of freedom met with—and call and see our list we have for sale.

REGISTER OF RURAL AFFAIRS.

The well known and highly popular Annual sent forth from the Office of the California Country Gentleman, at Albany, N. Y., and known as the "Illustrated Annual Register of Rural Affairs," is now out for 1874, being its Twenty Year, and is the only publication of this kind in our Country, the present number is superior to all former ones, and worth its weight in Gold, the golden truths it offers, in liberal supply.

It is offered this year at 30 cents per copy, and copies for \$2, it is an invaluable little book of 100 pages and every Farmer should send for it.

MASSACHUSETTS HORTICULTURAL SOCIETY.

We are indebted to E. W. Bushwell, Esq., Secretary for a Catalogue of the Massachusetts Horticultural Library, this Library is a very attractive and valuable one, embracing the very best and most costly works extant, the Library is arranged by shelves, numbered and classified, a Catalogue is also classified, so that any work can be easily found, the great extent of the Library is shown by the Catalogue, a Quarterly, and containing 180 pages, we tender thanks for the work.

CONDITION OF OUR STATE.

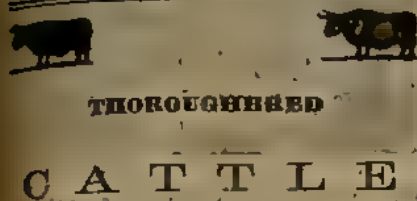
We are indebted to Hon. James J. Green, Comptroller of State for a copy of the Annual Report of that Office for the 23d and 24th Fiscal years commencing July 1, 1871, and ending July 1, 1873.

This is one of the most elaborate and complete Reports yet issued, giving a thorough and detailed condition of our State in all its varied interests, and highly creditable to the Office of the Comptroller. We shall use its statements at an early day. We return thanks for the copy sent to our Office.

GARDEN CITY FLOW.

We spoke some little time since of this excellent now offered by Messrs. Linforth, Kellogg & Co., as Sole Agents for the Sale of it, and in that notice placed it as a Gang Flow—it is a Single Flow and runs as among the A No. 1 Flows now used.

New Advertisements.

THOROUGHBRED
CATTLE

FOR SALE.

WM. FLEMING, OF BROWN'S VALLEY, NAPA Co., offers for sale One Devco Bull, EARL OF LEE, 2 years old—a superior animal.
One Devco Cow, VICTORIA, now with calf 4 years old.
Also One Heifer—a fine animal.
The above Cattle have taken the Premiums at the District and State Fairs, and will have full Pedigrees guaranteed. 40.2m.

NEW

Bulbous Roots—Seeds.

The undersigned have just received a new and fresh stock of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquils, Crocus, Anemones, &c.—all the best and choicest kind. Also

HYACINTH VASES AND GLASSES.

ALSO

New Goods, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

40.3 J Street, Sacramento.



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN Grounds renewed and replanted, or those who desire to have Grounds designed and laid out upon Scientific principles, and with correct taste and skill, as

Adapted to this Climate,

we have this work done to their satisfaction by calling at the Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES.

To small Gardens, in our City, will be designed and laid out, the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

Business Educated men ever engaged in such work.
Address WARREN & CO., Farmer Office.

A Complete Pictorial History of the Times.
The Best, cheapest and most successful Family Paper in the Union.

Harper's Weekly.

SPLENDIDLY ILLUSTRATED.

Notices of the Press.

The Weekly is the ablest and most powerful illustrated periodical published in this country. Its editorials are judicious and convincing, and carry much weight. Its illustrations of current events are full and fresh, and are prepared by our best designers. With a circulation of 150,000, the Weekly is read by at least half a million persons, and its influence as an organ of opinion is simply tremendous. The Weekly maintains a positive position, and expresses decided views on political and social problems.—Louisville Courier Journal.

SUBSCRIPTIONS.—1874.

TERMS:

Harper's Magazine, one year.....\$1 00
\$1 00 includes postage (of U. S. postage by the publisher).
Subscriptions to Harper's Magazine, Weekly, and Bazar are made for one year, \$10 00; or, two of Harper's Part-Weeklies, in one address for one year, \$10 00; postage payable by the subscriber at the office where received.

An Extra Copy of either the MAGAZINE, WEEKLY, or BAZAR will be supplied gratis for every club of FIVE subscribers at \$1 00 each, in advance; or, Six Copies for \$10 00, without extra copy; postage payable by the subscribers at the office where received.

Back Numbers can be supplied at any time.
The Annual Volumes of HARPER'S WEEKLY, in most cloth binding, will be sent by express, free of expense, for \$7 00 each. A complete set, containing Seventeen Volumes, sent on receipt of cash at the rate of \$5 25 per volume, freight at cost of purchaser.

The postage on HARPER'S MAGAZINE is 34 cents a year, which must be paid in advance to the post office.
Address HARPER & BROTHERS, New York.

BEE KEEPER'S

DIRECTORY.

By J. S. HARRISON, Apician, Sacramento

THIS BOOK HAS BEEN PREPARED by the Author with great care and the devotion of much time. From the experience of many years as an Apician, the author has given results that must be of great value to all who have bees. Every person who keeps bees should have this book, a volume of over 400 pages, fully illustrated, price only \$2 00.
For Sale at the FARMER OFFICE.

WARREN & CO.

New Advertisements.



THE

American Chief.

PREMIUM

GANG PLOW,

BY

MATTESON & WILLIAMSON.

These noted Gang Plows have taken the Premiums at the State Fair, and at the District Fairs whenever exhibited, and bore off as many honors as any other Gang Plow made.

The American Chief is the result of years of study and experiment by thorough practical mechanics who are Plow makers by long experience in this work.

This Plow is constructed to meet the wants of our Farmers, quickly adjusted in all its parts, and so easy in its working that the turning of the Plow will move over any change in the surface of the soil without deranging the shares of the Plow.

By the perfect construction of the Plow, its wheels are the governing power, while the plowman may move on in his work in confidence that it may be done quickly and most perfectly. So admirable has it proved by the hundreds that have used it, that it is admitted to be the best Gang Plow yet manufactured.
For Circulars or particulars and for purchase,
Address MATTESON & WILLIAMSON,
40.8 411 Davis St., Stockton, Cal.

SEED WAREHOUSE

WHOLESALE AND RETAIL,

40.3 & 411 Davis St., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsmen & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Oats, Corn, Beans, Barley, Potatoes, Peas, Parsnips, Carrots, Celery, Peas, Beans, Cobs, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

GREEN CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1873.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass, Timothy, or Herd Grass, Orchard Grass, Rye Grass, and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

40.8 409 & 411 Davis Street, San Francisco.

RANDALL'S
GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Shepherd-master in the State should have a copy.
Price at the Farmer Office, \$2.00; by Mail of Express, charges paid, \$2.50. Send orders to the Farmer.

WARREN & CO.

The Napa 3-Wheeled Iron Gang-Plow.

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the superintendence of D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST

OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.
Second. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raking and leveling, without any exertion on the part of the driver.

Third. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three.

Fourth. THE LINE OF DRAFT. It is a center-draft plow. An adjustable clevis connects directly with the beam, where all the teams pull directly from one center, so that when the plow is working it adjusts itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.

Fifth. EASY IN TURNING; by means of the rear wheel the plow can be turned with ease in its own length, making a great saving in time in the course of a day's work.

Sixth. IT IS EASY ON THE HORSES' NECKS. By raising the driver's seat on the rear-end of the pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.

The following testimonials show what farmers think of it:
"We, the following farmers, were present at a recent trial of this plow and found two mules to do excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.) Jesse Grigsby, Benj. McCoombs, A. Y. Clark, W. H. Gibbs, J. J. Ragsdale, E. D. Sawyer, D. C. Waller, H. Reaves, and others." Messrs. Nathan Coombs, J. D. Blanchard, Van Felt and others, also testify to its merits. 40.9

New Advertisements.

THE

PHOTOGRAPHIC

SUN PEARL

AND

ART GALLERY,

526 MONTGOMERY ST.

CORNER OF CLAY,

SAN FRANCISCO.

MESSRS. W. F. & N. J. BAYLEY,

HAVING REMOVED FROM

618 and 620 Washington Street,

Having opened, under the above name, a First-class Photograph and Art Gallery, to which they would kindly call the attention of their many friends and the public in general.

THE GALLERY

is fitted in the most elegant style, and a number of first-class artists are engaged, who will on the undersigned to produce Photographs and Pictures not to be surpassed by those of any other similar institution.

Our Motto shall be, "First-class Work and Moderate Charges."

W. F. & N. J. BAYLEY,

40.7 526 Montgomery Street, corner Clay.

CHEESE CURD
CUTTERS

Of all Sizes,

FOR SALE AT THE OFFICE OF THE

California Farmer.

WANTED. We will give satisfactory wages and women
Business that will Pay

from \$1 to \$3 per day, can be procured in your neighborhood, and is strictly honorable. Particulars free, or sample worth several dollars that will enable you to go to work at once, will be sent on receipt of fifty cents.

Address, J. LATHAM & CO., 40.8 223 Washington Street, Boston, Mass.

New Advertisements.

THE CORHAM

PREMIUM BROADCAST

SEEDER

CULTIVATOR

COMBINED!

The Premium Gorham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the State Fair at Sacramento in 1872, also at Modesto and Chico—the only places it was entered. The Gorham Seeder has been awarded the highest merit that practical farmers can bestow, wherever it has been introduced. Letters from the various Agents throughout the States of California and Oregon speak of the success and the perfect manner of its working, together with the great saving of seed, time, and money in sowing and covering, even beyond their most sanguine expectations. This celebrated machine is destined to supersede all other processes of sowing and covering all classes of grain and grass seeds, as it is capable of doing a greater amount of work, and better work, with a saving to the farmer from one-fourth to one-half the ordinary expense. From many sources comes the intelligence that one of the Gorham Seeders will pay for itself from one to three times the first year, and with ordinary care the machine will last for ten years. MAKE THE COMPARISON, AND BUY A GORHAM SEEDER.

Read the numerous letters from practical farmers who have used it on the Pacific Coast. Any one desiring to learn more particularly of its merits, is respectfully invited to write to any of the parties mentioned herein for such information.

Modesto, April 20, 73,
A. H. BUNKER.—Permit me, as well as so many others, to say something in praise of the Gorham Broadcast Seeder and Cultivator. Last winter I bought of W. J. Houston, of Modesto, the Sixteen Foot Seeder; after using them, I find that for saving of time, labor, seed and expense, and the perfect manner of doing the work, that I have no hesitation in recommending them to every farmer as one of the best machines in the world. Too much praise cannot be said in favor of the Seeder.
Respectfully, J. W. MITCHELL.

Walter's Ranch, Colusa Co., March 5, 1872.
Messrs. A. J. BUNKER.—We have used the Ten Foot Gorham Broadcast Seeder and Cultivator, purchased of you, and cheerfully testify to its merits. We liked it very well that we shall want to purchase another. We have sown about five hundred acres with it this year, giving it a fair trial. If we could not replace it we would not take a thousand dollars for the one we have. The machine will accomplish all you recommended it for. One of our neighbors has one and speaks of it in the highest terms. You can see this if you wish for publication.
Yours truly,
SHERMAN & VERONER.

A. J. BUNKER, Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
At KELLER'S & Co. Ag. Warehouse,
J Street, Sacramento.

THOS. A. GAREY'S

Semi-Tropical Nurseries.

SAN PEDRO TR E

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern

Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 225,

THOS. A. GAREY,

Proprietor,

LOS ANGELES, CAL.

Send for Price List. 40.3



HARTFORD

FIRE

IN URANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS,

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

40.1



A FINE HOME

FOR SALE.

A very fine located Farm of 196 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 32, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 30,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Sacks of Wheat,
1200 lbs. of Blackberries,
170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 5 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Buggy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and property connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

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The Machine CUTS, PLANTS, and COVERS, and does the work admirably, leaving a nice finished field.

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Home Miscellany.



LIFE'S LEAVES.

The day, with its sandals dipped in dew,
Has passed through the evening's golden gates,
And a single star in the cloudless blue
For the rising moon in silence waits;
While the winds that sigh to the languid hours,
A lullaby breathe o'er the folded covers.

The lilies nod to the sound of the stream,
That winds along with lulling flow;
And either wake or half in a dream,
I pass through the realms of Long Ago;
While the past with many a smile
From the bowers of Memory's magic tale.

There are sad memories, bitter pain,
And buried hopes and a broken vow,
And an aching heart by the restless sea,
And the sea breeze laughing an aching brow;
And a wanderer on the shell-lined shore
Listening for voices that speak no more.

There are passions strong and ambitions wild,
And a fierce desire to stand in the van
Of the battle of life—and the heart of a child
Is crushed in the breast of the struggling man;
But short the regrets, and few are the tears
That fall on the tomb of the vanished years.

There's a quiet peace, and domestic love,
And joy arising from faith and truth;
And a love unquestioning far above
The passionate dreaming of ardent youth;
And kisses of children on lip and cheek,
And parents' bliss which no tongue can speak.

There are loved ones lost! There are little graves
In the distant dell, "neath protecting trees,
Where the streamlet winds and the violet waves,
And the grasses sway in the sighing breeze;
And the mourn for the pressure of tender lips,
And the light of eyes darkened in death's eclipse.

And then, as the glow of the daylight dies,
And the night's first look to the earth is cast,
I gaze "neath those beautiful Summer skies,
At the pictures that hang on the wall of the past;
Oh, how and Joy chase a mingled lay,
When to Memory's oldwood we wander away!

FALSE AND TRUE.

BY JESSIE E. HODDER.

[There is much of real Poetry and Truth, as well as beauty in the following Poem which was written for *Heald's College Journal* for November from which we copy.

We believe others as well as ourselves will rank it as a Gem of Poetry.—Ed. F.]

Beloved, the mood is upon me, the mood of the sweet olden days;
And so long as I may not relate it, I'll weave it far sweeter into rhyme;
This mood is a strange intermixture of sentiment logic and love,
You know all its varied mutations since back far away it began.

It has given us both some amusement, some gladness and much weary pain,
It has broken the promise of girlhood to follow a promise as vain;
To follow and trust its fulfillment through tortuous, monotonous ways;
And at the end disappointment, remorse, desolation and tears.

This mood—Sole, false, evanescent, as starlight glances on the sea,
Has planted the bright dreams of girlhood with ideal, frail imagery.
This mood—faithful, fond, impartial as sunlight sleep on the dew,
Has shown to the heart of the woman the constant, substantial and true.

It has given the woman heart courage to take up its burden alone,
Refusing all proffered protection, except the reward of its own;
Its own purest love and repayment, its other heart tender and true,
The delicate, strange composition—in short, my first, dear, best—*you*.

And now while the freshness of springtime drifts over the sea to the shore,
The pulse of the old love awakens and thrills to the music of life;
The woman falls, and the yearning and passionate restlessness;
And over the whole soul there settles a pleasant and permanent peace.

Now I can recognize you, my darling, to one gentle, pure woman's love,
A love that will brighten your earth years and constantly love you above;
Above all the changes and shadows, above all temptation and sin,
To the land where sometime enjoyment and new life and light shall begin.

Perhaps in that beautiful country we shall stand side by side once again,
And look down the long, weary vista of years to the old day of pain,
And thank God that through separation, and distance, and dangers unknown,
The true heart must seek out and follow forever and ever its own.

Let the winds and waves of adversity blow and dash around you, if they will; but keep on the path of rectitude, and you will be as firm as a rock. Plant yourself upon principle, and bid defiance to misfortune. If gossip, with her polished tongue, meddles with your good name, heed her not. Carry yourself erect; let your course be straightforward, and, by the serenity of your countenance and the purity of your life, give the lie to all who would underrate and belittle you.

Said an old gentleman to his hopeful daughter: "Be sure, my dear, you never marry a poor man; but remember that the poorest man in the world is one who has money and nothing else."

Home Correspondence.

WOMAN'S INFLUENCE.

BY CLARA AVERYTON.

NUMBER FIVE.

It would be impossible for me or any one to say anything original upon this worn out theme, we all know that we have an influence, but we do not fully realize the responsibilities which that influence brings back upon us. It is natural for us to love to listen to our own praise, and to hear the strong man acknowledge our power. Men sometimes say that they love a woman the better for her faults—I believe a true and manly heart loves her "spite of all her faults"—not because of them—a diamond may have a flaw and still be very valuable and precious.

But I will leave it for the other sex to indulge, and sing their songs to "divine woman" while I look about for some of our earthly faults—not that I have an idea of perfection, or that we could live without some faults, we will not mind about those which are too trifling to do much harm, but are simply a great gratification to our own natures.

The excellent article upon Homoculture suggests the basis, and the only real and permanent basis for reform. It is logical—it is theological—it would help to Christianize the world and hasten on the bright and happy Millennium. It is no utopian scheme, one would think that the first rudiments of common sense would see and acknowledge that it was important and practicable.

I believe that our first duty is to ourselves physically; then, are we fitted to fulfill our moral obligations to others as well as ourselves. It is a most humiliating fact, that no part of the animal creation has become so diseased and physically degenerated as the human race. "Thou shalt die," was the sentence pronounced upon us, but to be sick and live on and on from year to year, perhaps a long wretched life of suffering from the cradle to the grave, was not included in that sentence. We have "sought out many devices" and brought it upon ourselves. It is a long road back for the "sins of the fathers" have been "visited upon the children" for many generations.

A large portion of our life is spent in getting an education, and should we spend the whole of the longest natural life in study, we must but the more fully realize, that though nature reveals much to her favorite children (and they are those who love her much) yet she has an Arcana which she will not unfold until we have "read life's volume to its closing page," and awaken to that new life where we shall see no longer as "through a glass darkly."

Now as it is impossible for us to learn all, is it not highly important that we choose those things which will be the most likely to become practicable and profitable in after life, adding to our comfort and pleasure? I think Physiology should be a prominent part of our education—surely we ought to understand ourselves—and then let us make a personal and practical use of our knowledge.

We can dispense with much of our mathematical learning, for which we have no after use, and which consumes so much time, solving almost impossible and highly improbable problems, although it is said to discipline the mind, yet may not so much of it for us, be at the expense of more useful and pleasing acquisitions? Such as would develop the nobler qualities of heart and soul—teaching us to feel that quick sympathy for each other, which is so much needed to make us useful in social life.

The extent of our influence and responsibilities depends upon our position—the most important of which is, that of wife and mother. She is the mistress of her household, and should be fitted for it, and then keep herself so, but she often becomes so engrossed in housekeeping, with its numerous and often unnecessary details, that she allows many a higher duty to yield to that, and when the evil consequence is upon herself and family, it is too late to repair the wrong.

I know that the cares of a house and family are many, and a very inefficient and uncultivated class come into our homes as help. But could we not encourage a better class, if when we found them worthy of our trust, we had more confidence in their process, and waited to see the result before sending too much help. We do love so to hold on to that idea that no one can do our work so well as we can ourselves and we make others feel it too.

How often does a woman "task herself beyond her strength, just because she wants "to finish" household matter before she "stops"—not that anything or anyone would suffer from her neglect in that particular direction, in fact sometimes the general appearance and real comfort would have been the same without that hard labor, but she must go through with that routine on that day—she will not desert until every room and every window is without a "speck of dirt" to be seen, unless with the aid of a microscope.

But when her husband and children look at her, how does she look? Worn and depressed, feeble and exhausted, with a disordered toilet, she does not look like the mistress of the household, her house is in order, but in the meantime the children have become disorderly, irritated, and insubordinate for want of attention, and her husband is not likely to be very cheerful, at home, under such circumstances. Many a woman has laid down her life in this warfare against dirt, thereby giving her husband a new wife, and her children a step-mother. Sometimes she falls a martyr (especially in the fruit season) to preserves, jellies, jams, pickles and catsup, dried fruit and everything else she can think of, to "put up," the scene is fresh in my memory—while all this preparatory picking and paring, its boiling up and boiling down, especially the boiling over, then scum and hurry, skimming, spilling, and scalding, burning and breaking. Really there is more trouble in preparing those things for one family

than you could see in a large manufacturing establishment for putting them up, and where they could be purchased for less than they cost at home, but then, they are so much better when we do it "ourselves."

I think I hear some lady reader exclaim, "Oh! Clara Averyton is too ideal, she don't know anything about experimental housekeeping, with its endless duties." Well now, my dear sister, you don't know whether I do or not, and what if I don't? Is it impossible to be consistent in that matter? When it becomes necessary to choose between two evils, is it not reasonable and just, to choose that which will result in the least harm to ourselves and others?

HOW MUCH DO I COST?

A little daughter ten years old lay on her death-bed. It was hard parting with the pet flower of the household. The golden hair, the loving blue eyes, the bird-like voice, the truthful, affectionate, large-hearted, pliant child! How could she be given up? Between this child and her father there had always existed not a relationship merely, but the love of congenial natures. He fell on his knees by his darling's bedside, and wept bitter tears. He strove to say but could not—"Thy will be done!" It was a conflict between grace and nature, such as we had never before experienced. His gods disturbed the child, who had been lying unconscious. She opened her eyes and looked distressed.

"Papa, dear papa," she said at length: "What, my darling?" answered the father, striving for composure.

"Papa," she said, in faint, broken tones, "how much—do I cost you—every year?" "Hush, dear, be quiet!" he replied, in great agitation, for he feared delirium was coming on.

"But, please papa, how much do I cost you?" To soothe her, he replied, though with a shaking voice, well, dearest, perhaps ten pounds. What then, darling?"

"Because, papa, I thought may be, you would lay it out in Bibles, for poor children to remember me by."

With what delicate instinct had the dying child touched the strings of comfort! A beam of heavenly joy glared in the father's heart, the bliss of one noble, loving spirit mingled with its like. Self was forgotten, the sorrow of parting, the lonely future. Naught remained but the mission of love, and a thrill of gratitude that in it he and his beloved were co-workers.

GOOD MANNERS A DUTY.

Men often speak of good manners as an accomplishment. I speak of them as a duty. What, then, are good manners? Such manners as the usages of society have recognized as being agreeable to men. Such manners as take away rudeness. There are a great many who feel that good manners are effeminate. They have a feeling that "rude bluntness" is a great deal more manly than good manners. It is a great deal more beastly. But when men are crowded in communities, the art of living together is no small art. How to diminish friction; how to promote ease of intercourse; how to make every part of a man's life contribute to the welfare and satisfaction of those around him; how to keep down offensive pride; how to banish the raspings of selfishness from the intercourse of men; how to move among men inspired by various and conflicting motives, and yet not have collisions—this is the union of good manners. It is not effeminate to be refined. And in this land we must should plead feasibility. There may be a peasant in other countries, there may be a class in foreign lands who have no opportunities; there may be those whose toll is so continuous, whose opportunities for knowing what constitutes good manners are so few, and whose ignorance is so gross that they are excusable; but this is not the case in America.

That a man is a mechanic is no reason why he should not be a perfect gentleman. I affirm for every American citizen the right to be not simply a man, but a good-mannered man. I have seen men at the mill who were as perfect gentlemen as men of books or men of society. I know no reason why a man who takes pride in his work should not be a gentleman. I know no reason why a man who digs in the soil, a man who works in metals and woods, a man who builds, should not be a perfect gentleman. There is nothing in mechanical occupation which is incompatible with the highest courtesy.

Not only is the violation of good manners inexcusable on ordinary ground, but it is sinful. When, therefore, parents and guardians and teachers would inspire the young with a desire for the manners of a good society, it is not to be thought that they are accomplishments which may be accepted or rejected. Every man is bound to observe the laws of politeness. It promotes both beauty in the man who possesses it, and happiness in those who are about him.—Henry Ward Beecher.

BEST FRONTAGE FOR A RESIDENCE.

Most persons, if they had the choice of positions for a residence, would without much thought about the matter probably select a south front, but a writer in the *New York Mail* argues with some show of reason, "that houses on streets running nearly north and south are far preferable to those located on streets going east and west, in a sanitary estimate. In the first, here at the north of the equator, the sun shines brilliantly in the forenoon on the front, and with nearly equal force in the afternoon on the rear. Thus dampness is expelled, and the whole edifice is dry and the air far purer for its solar exposure. If a house is on an east and west street, those fronting north are decidedly the best for a residence. Because the sun's action on the yard, the kitchen, and usual regions of neglected accumulations, purifies and modifies the humid atmosphere that is sure to predominate in yards and the dark side of houses whose rear is north of the street. Thus circumstances, the back rooms are never so pleasant, cheerful, or economically warmed in winter, or ventilated in summer, as when on the south side. Opening on the street, the frame of each gets both light and air by reason of the frequent swing of the front door."

THE REASON WHY.

Can we wonder that American women so quickly lose their beauty? Shut up in houses nine-tenths of the time, with either no exercise, or that which is of a limited, irksome sameness, they are, as a consequence, naturally pale, soft and tender; their blood is poorly organized and watery, their muscles small and flabby; and the force and functions of their bodies as a whole, run low in the scale of life. A spurious fullness is often seen in the outline during girlhood, which usually melts like snow under an April sun whenever the endurance is put to the test, as in performing the functions of mother. The change of appearance from the girl of one year to the mother of the next is often so striking and enduring that it is difficult to believe that we are looking on the same person. The round, pleasing shape is prematurely displaced by a pinched angularity, and an unimely and unseemly appearance of age. And it is all nonsense to blame our climate for this and state of things; blame only their hot house, conserving mode of life. English ladies of rank, who, by the way, are celebrated for keeping their beauty even to a ripe old age, think nothing of walking half-a-dozen miles at a time, while American ladies would think such a thing "perfectly dreadful." If American women, so daintily and richly fed, will sit in dark and sultry rooms the live-long day, they must expect to bloom too soon to hasten through this charming period—and the longest in about ten years—and for twenty-five years after, have the satisfaction of being thin, wrinkled, angular and sallow.—Exchange.

PLANTS AS DOCTORS.

In addition to the pleasure that may be derived from floriculture, the sanitary value of flowers and plants is a feature of the subject so important as to call for special mention. It was known many years ago that ozone is one of the forces in which oxygen exists in the air, and that it possesses extraordinary powers as an oxidant, disinfectant, and deodorizer. Now, one of the most important of late discoveries in chemistry, is that made by Professor Mantegazza, of Pavia, to the effect that ozone is generated in immense quantities by all plants and flowers possessing green leaves and aromatic odors. Hyacinths, Mignonettes, Heliotropes, Lomans, Mint, Lavender, Nardus, Cherry, Laurel, and the like, all throw off ozone largely on exposure to the sun's rays; and as powerful is this great atmospheric purifier, that it is the belief of chemists that whole districts can be redeemed from the deadly miasma which infects them, by simply covering them with aromatic vegetation. The bearing of this upon flower culture in our larger cities is also very important. Experiments have proved that the air of cities contains less ozone than that of the surrounding country, and the thickly inhabited parts of cities less than the more sparsely built, or than the parks and open squares. Plants, and flowers, and green trees can alone restore the balance; so that every little flower-pot is not merely a thing of beauty, while it lasts, but has a direct and beneficial influence upon the health of the neighborhood in which it is found. Surely, if it is a beautiful provision of Nature, that something which is at once the most delicate of occupations, and most delightful of amusements, should be intimately bound up with the solution of problems so important as the health of our cities and the redemption of fever-infected districts in the country.—Appleton's Journal.

Here are important facts for our Lady-readers to encourage them to the cultivation of beautiful flowers and the embellishment of Homes.

All the varieties named, with many of the choice herbs can be made useful and ornamental as the bordering of Flower Beds, such as Summer Savory, Sweet Marjoram and Sage, each and all valuable herbs for Home use, but make neat borders, and are excellent as *Dee Feed* to those who keep the "Honey Bee," all the labor and expense will be more than returned in Honey, besides the pleasure of cultivation and ornament.

STRANGE TASTE.

It is a good thing, we suppose, that tastes differ. In the absence of Asparagus, in Holland and Belgium, people cook the tops of Hop vines as a substitute, and call it good, and in England they have been in the habit of using the tender Hawthorn branches. Latterly, however, they have taken to eating the flower stems and buds of the *Oenothera pyramidalis*, a wild plant and a native of England, of the "Star of Bethlehem" family, which is sold in the markets under the name of Wild Asparagus. It is tied up in bunches and at first sight might be mistaken for heads of green wheat, with a portion of the straw attached. The Editor of the *Gardener's Chronicle* says it is "the best substitute for Asparagus yet tried, better by far than the Hop tops of which our Belgian and Dutch friends make so much, and better than any 'green corn' we have yet tasted, in spite of what our American friends may say, and a great deal better than Hawthorn leaves." We never feel disposed to quarrel with any one's taste, but we cannot help feeling great sympathy for any one who has no taste for good Sweet Corn—something of the same kind of sympathy that we feel for one deprived of one of the natural senses, or of some of life's greatest blessings. We noticed sometime since in an English agricultural journal what would be considered here a strange report of a Vegetable Committee. In reporting on the trial of Beans, we think at the Chesham Gardens, they declared the Lima tough and stringy, the pods unfit for use, but that the shelled Beans might, perhaps, be made eatable by skillful cooking. The idea of making the Lima eatable, especially by those who can relish the fearfully strong Windsor Beans, is rather laughable—but there is no accounting for taste.—*Pick's Floral Guide* for 1874.

VENTILATION OF CUPBOARDS.

In the sanitary arrangements of houses even for the richer classes the ventilation of cupboards is neglected. In places let as tenements, closets are the receptacles for bread and the fragments of various other kinds of food. Often the dirty clothes are put away in these places, waiting for washing. It is therefore important that air should be plentifully passed through such corners; generally, however, there is but little arrangement made for this purpose. The doors are kept closed without any perforation. There are no ventilators in the walls, and in consequence, these places become cesses of polluted air, which, when the doors are opened, escapes over the apartments. This defect is visible in nearly all houses of old date; and while looking at some dwellings of recent construction, it is seen that, although care has been taken to ventilate stair-cases and rooms, the cupboards are in this respect neglected.—*Dox, in Ohio Farmer*.

The rich spend their time in kneeling, while the poor in gratifying them, the poor are the most sensible.

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Miscellany.

BOIL IT DOWN.

What ever you have to say, my friend,
Whether witty, or grave, or gay,
Condense it as much as ever you can,
And say it in the readiest way,
And whether you write of household affairs,
Or particular things in town,
At take a word of friendly advice—
Boil it down.

For if you go spluttering over a page,
When a couple of lines would do,
Your brother is spread so much, you see,
That the broad sheet plainly through;
So when you have a story to tell,
And would like a little room,
To make quite rare of your wish, my friend,
Boil it down.

When writing an article for the press,
Whether prose or verse, just try,
To utter your thoughts in the fewest words
And let them be crisp and dry;
And when it is finished, and you suppose
It is done exactly brown,
Just look it over again, and then
Boil it down.

For Editors do not like to print
An article really long,
And the busy reader does not care
For a couple of yards of song;
So gather your wit in the smallest space,
If you'd win the author's crown,
And every time you write, my friend,
Boil it down.

ANECDOTES OF HENRY CLAY.

A fresh anecdote of Henry Clay, or any of the wise and witty men who were his contemporaries, are always refreshing. When General Jackson appointed Mr. Buchanan to the mission of St. Petersburg, he inquired of Mr. Clay, at a whist-party in Washington, what style of dress he should wear at the court of the Czar. Mr. Clay replied that as they were about of a slave (Buchanan had not then grown so stout as he appeared later in life), the coat he wore as one of the United States Commissioners at Ghent was at his service.

"But it has been worn, Mr. Clay," was the response to the offer.

"Oh, that is nothing. You can turn it, Buchanan—you're used to it."

Mr. Clay never let pass an opportunity to have a dig at Mr. Buchanan, after the latter had written his famous letter charging bribery and corruption in the election of John Quincy Adams to the Presidency of the House of Representatives. In the course of a speech in the Senate, Mr. Buchanan stated that when a young man he joined a volunteer militia company that marched from Lancaster to the relief of Baltimore, when the Monumental City was threatened by the British during the war of 1813. Upon reaching Hagerstown, however, the troops, learning that the invaders had been repulsed at North Point, returned home without further participation in the war. At this point Mr. Clay arose, and addressed the club, expressed a desire to ask the speaker a question.

"Cautiously," was the courteous response.

"I would like to inquire of the Senator from Pennsylvania," remarked the Great Commoner, with that inimitable twist of his cat-fish mouth, "whether the gentleman marched to the relief of Baltimore because he had learned that the British had left, or whether the British left because they heard the gentleman from Pennsylvania was coming?"

Mr. Clay had a standing joke, which he never failed to perpetrate at Mr. Adams' expense when he caught his Massachusetts colleague in a confidential crowd. Adams was afflicted during his whole life with a disease of the lachrymal duct, which caused his eyes to be constantly watery. The two occupied the same department, and a day and a half Adams was detained at the room. Clay's story was that upon his attempting to catch a kiss from his handsome chamber-maid, he was bluffed off with

"Oh, Mr. Clay, you must not, for Mr. Adams a few minutes ago begged me with tears in his eyes for a similar favor, and I refused him!"—Senator's Daughter, in *Harper's Magazine for Dec.*

A REMARKABLE HORSE.

A venerable horse, forty-one years of age, was exhibited at the late State Fair at Erie, Pa., and in vigorous health. He is owned by Hon. H. B. Lowry, of Erie, and has been in his possession nearly all that time. He is black as a raven with a head as white as an old man of twice his age. He has never been sick a single day, but was operated on by a skillful dentist years ago, and after being kept on bread for years. He now carries a good mouth, and eats corn like a colt.—*Practical Farmer.*

DYEING SHEEP SKINS.

Unflecked lute and litharge, equal parts, mixed to a thin paste with water, will color buff-colored coats will make it a dark brown—by adding a little ammonia and nitrate silver, a fine black is produced. Terra Japonica will impart a black color to wool, and the red shade is deepened by steeping in a solution of alum water to "set" the colors. One part crystallized nitrate silver, eight parts carbonate ammonia, and one and one-half parts soft water, dyes brown—very additional coal darkens the color until a black is obtained.—*British Trade Journal.*

Two little girls were competing for prizes in a catechism. "I've got to the original sin," said one. "How far have you got?" "Me? Oh, I'm way beyond redemption," said the other.

Josh Billings divides the human race into three classes—those who think it is so, those who think it isn't so, and those who don't care whether it is or not. A ton of pure gold is worth \$500,000; a ton of silver, \$37,500. A single foot of gold weighs 1,218.75 pounds; a cubic foot of silver, 360.75.

Total number of Patrons of Horsham in the United States 228; reported membership, 1,000.

PRESERVATION OF HUMAN SKULLS.

At the convent of San Sabi, located on the margin of a horrible mountain gorge between Jerusalem and the Dead Sea, supposed to be the wilderness where John the Baptist preached, there is an immense collection of skulls, piled up like cannon balls in a navy yard. That has the reputation of being the oldest convent in that part of the world, and these stacks of heads are those of monks who lived and died there in the course of 1300 years. The next extraordinary collection of the remains of humanity exists about four miles from Folkestone, in the town of Hythe, Kent, England; it is traceable to a bloody battle, fought between the Anglo-Britons and an invading army of savage Danes, in the reign of Ethelwulf, A. D. 853. The Britons slung and 30,000 were left dead on the field of slaughter. Being too weary to bury the bodies, they left them to whiten in open air. When quite dry and white the bones, principally skulls, were gathered and placed in a stone crypt, prepared for them 1,388 years ago. These skulls indicated men of large size, and were corroborated by bones of the limbs, superior to those of their lineal representatives in England. Their teeth were sound and strong but worn down short, indicating a hard kind of food habitually. The native skulls are easily recognized. Perhaps on this continent astounding discoveries are to be made respecting races that preceded the Indians. Skulls of the monks clearly prove a higher type than is recognized in what is called aboriginal skulls dug up from Indian graves. Phrenology and craniology are sciences that deal exclusively with facts, hence it is probable that curious developments through their agency in regard to a remote antiquity may be anticipated in the progress of studies.

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

108 & 110 Front street and

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SOLE AGENTS FOR

Buckeye Mowers,

Sweepstakes Threshers

HOLLINGSWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 18 inches.

The DEERE PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 28 inches.

BOSTON OLIVER PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE

HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circulars, giving full descriptions of Goods

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San Francisco,

Importers, Manufacturers, and Dealers in all kinds of

Bags, Burlaps, Duck, Canvas and Cottons,

ORDERS RESPECTFULLY SOLICITED.

J. M. NEVILLE.

39.28

G. H. BEAST.

DO TRY IT 3 Months for 10 Cents; or with \$3.00, for 50 Cents. The National Agricultural and Bee Journal is a sixteen page paper of 64 columns, handsomely illustrated in all its parts. One of the best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Book, or \$1.50 with a beautiful "Bee" Book. Send for Sample Copies, and Liberal Terms to Agents, free. Write now to

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Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of nature cut stone, fire-proof and enduring

ASHLER, COPING, SEPS, MONUMENTS, GRAVESTONES, BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fontaines, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

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Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale.

He has on hand and now ready to deliver

Pure Bloods,

Half Breed, and

All Grades up to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Eldorado, Eldorado Co.

N. B.—The undersigned can particularly refer to the Editor of the Farmer for the excellence of his Band of Goats, the Editor can also give particulars.

N. G.

37.17

THE INFALLIBLE COUGH AND CONSUMPTION CURE!

As a remedy for Coughs, Colds, Soreness of

Pains of the Chest, Whooping Coughs, Phthisis,

Bronchitis, Asthma or Consumption the INFALLIBLE COUGH AND CONSUMPTION CURE has no equal.

In cases of Consumption the patient should take in consideration the condition of the lungs. If they are too far gone, of course

a perfect cure is impossible, although in many cases when Physicians have given up all hopes

it has effected perfect cures. Sometimes Physicians are mistaken. The best proof of that is

to try three or four different ones, and in nine cases out of ten every one of them will have a

different opinion and prescribe different remedies; so before giving up all hopes give the

INFALLIBLE COUGH AND CONSUMPTION CURE a fair trial. If there is a possibility of a recovery, the patient will not regret using the INFALLIBLE COUGH AND CONSUMPTION CURE. It acts as a stimulant and a light

expectorant, but its virtue, its strength and its wonderful effect on the lungs is centered in its great healing powers, allaying irritation, soothing and healing the lungs, thereby promoting a free and easy respiration, and a permanent cure. For Coughs or Colds, Chronic, long-standing or of recent construction, the INFALLIBLE COUGH AND CONSUMPTION CURE is acknowledged by all who have used it to be far superior to any remedy ever

placed before the public, acting directly on the mucous membrane, it cuts and loosens the phlegm, which by a free and expectoration from the lungs, relieves the patient almost immediately. Recent Colds are cured in from

One to Three days.

W. H. H. WHITE, Proprietor,

1233 Pacific St., San Francisco.

GRAW & BROWN, Wholesale Agents,

San Francisco,

For Sale by all Druggists. 40.4

39.24

Mount Hope Nurseries, ROCHESTER, N. Y.



Have on hand the finest and best Assortment of

HARNESS

SADDLES

COLLARS

SADDLE TREES,

LASHES, ETC.,

also offered on the Pacific Coast. We particularly call the attention of the country trade to our extensive assortment of Harness adapted for Farming and Teaming use, and also to the Collars of our own manufacture, which we guarantee Superior to any other Collars manufactured.

We are prepared to supply the trade, with any goods in our line at the very lowest prices for Cash or approved credit.

Traders will always receive careful attention.

Nos. 214 and 218 Battery street,

SAN FRANCISCO,

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THE

CALIFORNIA FARMER.

Our FORTIETH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of this year and the following year also thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on this Coast. We trust we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE,

Established 1854,

THE

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IN CALIFORNIA,

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VOLUME FORTY,

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Small parcels forwarded by mail when desired. Prompt attention to all inquiries.

Descriptive and Illustrated Price Catalogues sent prepaid on receipt of stamps, as follows:

No. 1.—Fruit, 10c. No. 2.—Wholesale (Just Published), Free. No. 3.—Bulls, Free. Address,

Establish 1840. ELLWANGER & BARRY,

39.24 Mount Hope Nurseries, ROCHESTER, N. Y.

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Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

Correctly Weekly by EDWIN FARMER.

SAN FRANCISCO, Dec. 4, 1878.

MONEY AND EXCHANGE TABLE.

Exchange on England	100/10
Price of Gold	100/10
Value of Greenbacks	100/10
Value of Wheat in Liverpool	100/10
Value of Wheat in New York	100/10

Money at the Bank of England, has declined to 7 percent and will recede. Confidence being restored, and Banks are doing business in New York more liberally. Money in San Francisco still in demand and not easy to be had. At Bank 1 and 1/2 per cent—Large and long loans are 9 and 12 per cent.

GRAIN AND FLOUR MARKET.

The Wheat and Flour market both are active and prices firm and with an upward tendency, in fact everything in the Grain line may be said to be in good demand. The news from Europe shows evidently a much shorter crop than was anticipated, while in addition the falling off in the Grain crop in various countries large importers here and now purchase the Potato crop is now threatened, this has advanced the Liverpool market, this news with the extension of some of the "Buckley" locked up on the Erie Canal has advanced the New York market both in Wheat and Flour. The present prospect is a firm market at present rates, or a further advance. Barley very firm, Oats steady, Corn, Buckwheat, Rye and Corn Meal no material change. Hay, Feed Grains, and all other feeds remain the same as last report. Potatoes on all kinds plenty, prices no change, Onions remain the same. The Hop crop is accumulating, and as prices have lessened owners hold on for better rates. The Wool market is dull and has been, in fact, all reports from the East indicate a better market soon—in fact the New York market has already taken a start upwards. Leather, Hides, Tallow, not very materially altered in prices—sales steady.

WHOLESALE GRAIN REPORT.

Wheat California, 100 lbs. Cost	\$2.10	\$2.20
do Choice	2.15	2.25
do Milling	2.20	2.30
Barley, 100 lbs. Cost	1.40	1.45
do Choice	1.45	1.50
do 100 lbs. Cost	1.50	1.55
Oats, California, 100 lbs. Cost	1.30	1.35
do Choice	1.35	1.40
Flour, Superfine, 100 lbs. Cost	5.50	5.75
do Extra	6.00	6.25
Extra Family Flour	6.50	6.75
Oregon Superfine	5.75	6.00
do Family	6.25	6.50
Corn Meal, 100 lbs. Cost	1.15	1.20
do Choice	1.20	1.25
do 100 lbs. Cost	1.25	1.30
do Choice	1.30	1.35
do 100 lbs. Cost	1.35	1.40
do Choice	1.40	1.45
do 100 lbs. Cost	1.45	1.50
do Choice	1.50	1.55
do 100 lbs. Cost	1.55	1.60
do Choice	1.60	1.65
do 100 lbs. Cost	1.65	1.70
do Choice	1.70	1.75
do 100 lbs. Cost	1.75	1.80
do Choice	1.80	1.85
do 100 lbs. Cost	1.85	1.90
do Choice	1.90	1.95
do 100 lbs. Cost	1.95	2.00
do Choice	2.00	2.05
do 100 lbs. Cost	2.05	2.10
do Choice	2.10	2.15
do 100 lbs. Cost	2.15	2.20
do Choice	2.20	2.25
do 100 lbs. Cost	2.25	2.30
do Choice	2.30	2.35
do 100 lbs. Cost	2.35	2.40
do Choice	2.40	2.45
do 100 lbs. Cost	2.45	2.50
do Choice	2.50	2.55
do 100 lbs. Cost	2.55	2.60
do Choice	2.60	2.65
do 100 lbs. Cost	2.65	2.70
do Choice	2.70	2.75
do 100 lbs. Cost	2.75	2.80
do Choice	2.80	2.85
do 100 lbs. Cost	2.85	2.90
do Choice	2.90	2.95
do 100 lbs. Cost	2.95	3.00
do Choice	3.00	3.05
do 100 lbs. Cost	3.05	3.10
do Choice	3.10	3.15
do 100 lbs. Cost	3.15	3.20
do Choice	3.20	3.25
do 100 lbs. Cost	3.25	3.30
do Choice	3.30	3.35
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do 100 lbs. Cost	3.45	3.50
do Choice	3.50	3.55
do 100 lbs. Cost	3.55	3.60
do Choice	3.60	3.65
do 100 lbs. Cost	3.65	3.70
do Choice	3.70	3.75
do 100 lbs. Cost	3.75	3.80
do Choice	3.80	3.85
do 100 lbs. Cost	3.85	3.90
do Choice	3.90	3.95
do 100 lbs. Cost	3.95	4.00
do Choice	4.00	4.05
do 100 lbs. Cost	4.05	4.10
do Choice	4.10	4.15
do 100 lbs. Cost	4.15	4.20
do Choice	4.20	4.25
do 100 lbs. Cost	4.25	4.30
do Choice	4.30	4.35
do 100 lbs. Cost	4.35	4.40
do Choice	4.40	4.45
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do 100 lbs. Cost	4.55	4.60
do Choice	4.60	4.65
do 100 lbs. Cost	4.65	4.70
do Choice	4.70	4.75
do 100 lbs. Cost	4.75	4.80
do Choice	4.80	4.85
do 100 lbs. Cost	4.85	4.90
do Choice	4.90	4.95
do 100 lbs. Cost	4.95	5.00
do Choice	5.00	5.05
do 100 lbs. Cost	5.05	5.10
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do Choice	6.90	6.95
do 100 lbs. Cost	6.95	7.00
do Choice	7.00	7.05
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do Choice	9.70	9.75
do 100 lbs. Cost	9.75	9.80
do Choice	9.80	9.85
do 100 lbs. Cost	9.85	9.90
do Choice	9.90	9.95
do 100 lbs. Cost	9.95	10.00

Retail Prices in the Fruit Market.

Our Fruit market is remarkable for a December show, while all our Eastern papers talk of Snow Storms and Canal Boats locked in by ice, here we are picking Oranges, Grapes, and Strawberries, (what a country). Apples are fine, some excellent Peaches (the Riverside) and the Winter Nuts—these with Oranges, Nuts, Raisins and Figs, give all we can ask for. Apples, 100 lbs. Cost 75¢ 80¢ 85¢ 90¢ 95¢ 1.00 1.05 1.10 1.15 1.20 1.25 1.30 1.35 1.40 1.45 1.50 1.55 1.60 1.65 1.70 1.75 1.80 1.85 1.90 1.95 2.00 2.05 2.10 2.15 2.20 2.25 2.30 2.35 2.40 2.45 2.50 2.55 2.60 2.65 2.70 2.75 2.80 2.85 2.90 2.95 3.00 3.05 3.10 3.15 3.20 3.25 3.30 3.35 3.40 3.45 3.50 3.55 3.60 3.65 3.70 3.75 3.80 3.85 3.90 3.95 4.00 4.05 4.10 4.15 4.20 4.25 4.30 4.35 4.40 4.45 4.50 4.55 4.60 4.65 4.70 4.75 4.80 4.85 4.90 4.95 5.00 5.05 5.10 5.15 5.20 5.25 5.30 5.35 5.40 5.45 5.50 5.55 5.60 5.65 5.70 5.75 5.80 5.85 5.90 5.95 6.00 6.05 6.10 6.15 6.20 6.25 6.30 6.35 6.40 6.45 6.50 6.55 6.60 6.65 6.70 6.75 6.80 6.85 6.90 6.95 7.00 7.05 7.10 7.15 7.20 7.25 7.30 7.35 7.40 7.45 7.50 7.55 7.60 7.65 7.70 7.75 7.80 7.85 7.90 7.95 8.00 8.05 8.10 8.15 8.20 8.25 8.30 8.35 8.40 8.45 8.50 8.55 8.60 8.65 8.70 8.75 8.80 8.85 8.90 8.95 9.00 9.05 9.10 9.15 9.20 9.25 9.30 9.35 9.40 9.45 9.50 9.55 9.60 9.65 9.70 9.75 9.80 9.85 9.90 9.95 10.00 10.05 10.10 10.15 10.20 10.25 10.30 10.35 10.40 10.45 10.50 10.55 10.60 10.65 10.70 10.75 10.80 10.85 10.90 10.95 11.00 11.05 11.10 11.15 11.20 11.25 11.30 11.35 11.40 11.45 11.50 11.55 11.60 11.65 11.70 11.75 11.80 11.85 11.90 11.95 12.00 12.05 12.10 12.15 12.20 12.25 12.30 12.35 12.40 12.45 12.50 12.55 12.60 12.65 12.70 12.75 12.80 12.85 12.90 12.95 13.00 13.05 13.10 13.15 13.20 13.25 13.30 13.35 13.40 13.45 13.50 13.55 13.60 13.65 13.70 13.75 13.80 13.85 13.90 13.95 14.00 14.05 14.10 14.15 14.20 14.25 14.30 14.35 14.40 14.45 14.50 14.55 14.60 14.65 14.70 14.75 14.80 14.85 14.90 14.95 15.00 15.05 15.10 15.15 15.20 15.25 15.30 15.35 15.40 15.45 15.50 15.55 15.60 15.65 15.70 15.75 15.80 15.85 15.90 15.95 16.00 16.05 16.10 16.15 16.20 16.25 16.30 16.35 16.40 16.45 16.50 16.55 16.60 16.65 16.70 16.75 16.80 16.85 16.90 16.95 17.00 17.05 17.10 17.15 17.20 17.25 17.30 17.35 17.40 17.45 17.50 17.55 17.60 17.65 17.70 17.75 17.80 17.85 17.90 17.95 18.00 18.05 18.10 18.15 18.20 18.25 18.30 18.35 18.40 18.45 18.50 18.55 18.60 18.65 18.70 18.75 18.80 18.85 18.90 18.95 19.00 19.05 19.10 19.15 19.20 19.25 19.30 19.35 19.40 19.45 19.50 19.55 19.60 19.65 19.70 19.75 19.80 19.85 19.90 19.95 20.00 20.05 20.10 20.15 20.20 20.25 20.30 20.35 20.40 20.45 20.50 20.55 20.60 20.65 20.70 20.75 20.80 20.85 20.90 20.95 21.00 21.05 21.10 21.15 21.20 21.25 21.30 21.35 21.40 21.45 21.50 21.55 21.60 21.65 21.70 21.75 21.80 21.85 21.90 21.95 22.00 22.05 22.10 22.15 22.20 22.25 22.30 22.35 22.40 22.45 22.50 22.55 22.60 22.65 22.70 22.75 22.80 22.85 22.90 22.95 23.00 23.05 23.10 23.15 23.20 23.25 23.30 23.35 23.40 23.45 23.50 23.55 23.60 23.65 23.70 23.75 23.80 23.85 23.90 23.95 24.00 24.05 24.10 24.15 24.20 24.25 24.30 24.35 24.40 24.45 24.50 24.55 24.60 24.65 24.70 24.75 24.80 24.85 24.90 24.95 25.00 25.05 25.10 25.15 25.20 25.25 25.30 25.35 25.40 25.45 25.50 25.55 25.60 25.65 25.70 25.75 25.80 25.85 25.90 25.95 26.00 26.05 26.10 26.15 26.20 26.25 26.30 26.35 26.40 26.45 26.50 26.55 26.60 26.65 26.70 26.75 26.80 26.85 26.90 26.95 27.00 27.05 27.10 27.15 27.20 27.25 27.30 27.35 27.40 27.45 27.50 27.55 27.60 27.65 27.70 27.75 27.80 27.85 27.90 27.95 28.00 28.05 28.10 28.15 28.20 28.25 28.30 28.35 28.40 28.45 28.50 28.55 28.60 28.65 28.70 28.75 28.80 28.85 28.90 28.95 29.00 29.05 29.10 29.15 29.20 29.25 29.30 29.35 29.40 29.45 29.50 29.55 29.60 29.65 29.70 29.75 29.80 29.85 29.90 29.95 30.00 30.05 30.10 30.15 30.20 30.25 30.30 30.35 30.40 30.45 30.50 30.55 30.60 30.65 30.70 30.75 30.80 30.85 30.90 30.95 31.00 31.05 31.10 31.15 31.20 31.25 31.30 31.35 31.40 31.45 31.50 31.55 31.60 31.65 31.70 31.75 31.80 31.85 31.90 31.95 32.00 32.05 32.10 32.15 32.20 32.25 32.30 32.35 32.40 32.45 32.50 32.55 32.60 32.65 32.70 32.75 32.80 32.85 32.90 32.95 33.00 33.05 33.10 33.15 33.20 33.25 33.30 33.35 33.40 33.45 33.50 33.55 33.60 33.65 33.70 33.75 33.80 33.85 33.90 33.95 34.00 34.05 34.10 34.15 34.20 34.25 34.30 34.35 34.40 34.45 34.50 34.55 34.60 34.65 34.70 34.75 34.80 34.85 34.90 34.95 35.00 35.05 35.10 35.15 35.20 35.25 35.30 35.35 35.40 35.45 35.50 35.55 35.60 35.65 35.70 35.75 35.80 35.85 35.90 35.95 36.00 36.05 36.10 36.15 36.20 36.25 36.30 36.35 36.40 36.45 36.50 36.55 36.60 36.65 36.70 36.75 36.80 36.85 36.90 36.95 37.00 37.05 37.10 37.15 37.20 37.25 37.30 37.35 37.40 37.45 37.50 37.55 37.60 37.65 37.70 37.75 37.80 37.85 37.90 37.95 38.00 38.05 38.10 38.15 38.20 38.25 38.30 38.35 38.40 38.45 38.50 38.55 38.60 38.65 38.70 38.75 38.80 38.85 38.90 38.95 39.00 39.05 39.10 39.15 39.20 39.25 39.30 39.35 39.40 39.45 39.50 39.55 39.60 39.65 39.70 39.75 39.80 39.85 39.90 39.95 40.00 40.05 40.10 40.15 40.20 40.25 40.30 40.35 40.40 40.45 40.50 40.55 40.60 40.65 40.70 40.75 40.80 40.85 40.90 40.95 41.00 41.05 41.10 41.15 41.20 41.25 41.30 41.35 41.40 41.45 41.50 41.55 41.60 41.65 41.70 41.75 41.80 41.

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He found that the thirteenth part of a bushel of collins salt, added to a quart of earth, retarded the growth, and prevented the germination of the beans. He, concluding that common salt was pernicious to vegetation; that soda was unnecessary, and that the soil should only contain the mineral substances represented in the blood of the plant is, here. A Releigh farming society protests against such sweeping conclusions, based on the experience of many years employment of salt by several of the society's members.

I think the average novel is making sad mistakes in the average mind in its pictures of true love. It makes the conceit, flow, and glamour which related nature's feel when they meet, true love. (It is no such thing.) If true passion, that is, all; a blessed power purely and rightly used, need no more true love than those little books and novels we see in June, on a shooting line, are deceptive clusters of October. For true love grows out of character and desires, loyalty and courtesy, good service given and taken, dark days and bright days, sorrow and joy. It is the absence of all we are together, and all we do. "True passion comes first, true love last." "It is love a natural boy. It is valued a spiritual addy," and so it is written: "The first man of the earth, earthly, but the second man is the word from Heaven.—Robert Colyer.

It is estimated that the surplus wheat crop of Minnesota for 1973, will fill 100,000 cars, or more than 8,600 trains of fifteen cars each.

Munny makes munny. We all or us take our korn to
a witch rillington has the secret.

LETTERS AT FARMER OFFICE.
The following Letters addressed care of ~~Farm~~
Office, are waiting to be called for:
Rev. James Beckett, & L.

Mrs. Luback,	1	22
W. Wood,	1	26
Hoo. J. B. Daibi,	1	31
J. B. Macney,	1	41



Agriculture.

PRODUCTION OF CORN.

Mr. Alex. Delmar, having returned to the United States from a tour made on the occasion of his attendance at the Statistical Congress, at St. Petersburg, is endeavoring to convince his countrymen that the world is now producing more bread than it can eat, and that greater attention should be turned to other industries. Taking returns for the year 1870, he gives the following statement as representing the cereal product of what he terms the commercial world, throughout which, with little or no restriction, bread stuffs are now produced and exchanged:—Europe, population 302 millions, cereal product 5,335 million bushels, or 17 1/2 bushels per head; Asia (Turkey and Russia) population 27 millions; cereal products 350 million bushels, or 12 1/2 bushels per head; Africa (Egypt), population eight millions, cereal product 80 million bushels, or 10 per head; Australia; population two millions, cereal product 30 million bushels, or 15 per head; North America, population 32 millions, cereal product 1,925 million bushels, or 22 1/2 per head; Central America, population three millions, cereal product 20 million bushels, or 6 2/3 per head; South America, population 28 millions, cereal product 217 million bushels, or 7 2/3 per head; West Indies, population four millions, cereal product 200 million bushels, or 5 per head; add two millions population of scattered parts open to commerce, and add also 70 million bushels of cereal product imported from the trans-commercial world: total population 428 millions, and cereal product 7,727 million bushels, or upwards of 18 bushels per head. The rest of the world is either destitute of commercial facilities, or closed to intercourse. The calculation, we believe, lies in China and Japan the ports only. Now, says Mr. Delmar, the utmost capacity of a population to consume grain in the form of food is eight to ten bushels per capita per annum. What it consumes beyond this amount must be for seed, for the food of animals, for the manufacture of spirits, fermented liquors, sugar, or starch, or fuel. For some of these purposes—as for food, seed, and fodder—the use of grain is necessary; for others—as for starch, sugar, and beverages—its use is, up to a certain point, economical; beyond that, and always when used for fuel, it indicates over production and loss. England contains one of the best fed populations in the world, nevertheless, the entire consumption of grain in England, including the enormous quantities converted into starch and beverages or used as food for animals, is less than two quarters (16 bushels) per capita per annum, of which the home product is 10 bushels, yet the world at large produces nearly 19 bushels per capita, and the precious staff of life is thrust into the stores of Western nations for fuel. Mr. Delmar observes that production has vastly increased since the application of steam in agriculture, and the stimulus supplied by railway communication and industrial progress. In regard to the price of grain he notices the great increase of gold and credit, tending to force up prices, and he points the world's stock of coin at 1,500 million dollars in 1843; 2,800 million in 1860, and a much larger amount now. On the other hand there has been the progress of mechanical inventions, tending to force prices down. Referring to the United States' Census years, he says:—In 1820, 1850 and 1860, respectively, it required 21 persons out of every hundred of our population to produce the food needed for the whole; in other words, 21 per cent. of the population were actual agriculturists. During this whole period of 30 years there was no mechanical improvement material enough to dispense with the manual labor of a single husbandman. In 1860 the proportion of agriculturists had fallen to 16 1/2 per cent., and in 1870 to 15 1/2 per cent., so that now but one person out of 6 1/2 tills the soil, whereas 20 years ago one out of 4 1/2 was required. This shows a mechanical improvement equal to about 26 per cent., or little over one third. Since 1843, the increase of currency and credit in this country has been enough to have at least doubled the price of grain, possibly trebled, or even quadrupled it, while the advance of mechanical improvement in this country has only been sufficient to reduce it about one-third. It is quite a safe computation to say that, if not produced in excess of the demands for its use, the price of grain should have advanced since 1843 at least two thirds over its price at that time. Yet we find, upon turning to the market reports of the two periods, that the price of corn, the principal grain of the country, was precisely the same at both. It was 57 cents, gold, per bushel, in 1847, and it is 67 cents per bushel, currency, now. If this does not demonstrate over-production, political economy is a valueless science, and observation in matters relating to breadstuffs must go for nothing. Mr. Delmar calls attention to the increasing area of land accorded to the culture of tobacco and other superfluous and noxious products; the relatively low wages earned by agricultural laborers; the low prices of cereal products as compared with other commodities; and the world's stock of currency; the recent abandonment of agriculture by large masses of people, and the relatively slow advance in the price of agricultural lands. He maintains that the fault is wholly attributable to the United States. He says, in conclusion:—It would not be difficult to show that the entire future of this vast country is bound up in the solution and wise disposition of this question, and I, therefore, ask in its behalf the most careful consideration of all who may read this communication.

LOSS OF SHEEP BY STORMS.

In our last week's issue we urged great attention to stock during the present weather. The *Marysville Appeal* of Tuesday says:

"A large number of sheep have died since the storm of last Wednesday, and more will die because of the wet and cold weather. We hear that the sheep raisers in Butte county have suffered large losses. In this county the losses have not been heard from except in a few instances. Thomas F. Kimball, who has two flocks of 1,000 head each—one in this county and the other in Butte—had lost but about twenty head up to Saturday, and was expecting to lose heavily if the cold rainy weather continued. There are many flocks of sheep in Colusa county grazing along the foothills of the Coast range, where they cannot be fed, and where great fatality may be expected to occur. Kimball's of the opinion that the loss by the storm will be equal to half of the natural increase for the season. He is feeding his flocks, besides 100 head of horses and other stock."

NOTHING TO DO.

"Pray, of what did your brother die?" said Marquis Spinola one day to the Marquis Vers. He answered, "He died of having nothing to do." "Alas," said Spinola, "that were enough to kill any general of us." Here we have a hint on which many can afford to act. We sincerely pity the man who has nothing to do, for idleness is, undoubtedly, the author of mere crime and misery than all other causes taken together. Its evil influence is being felt to-day in this city, as it is also in every great city in the land. We can hardly walk a block without seeing its effects, and on every hand it forces itself on our notice as the great curse of humanity. What is the cause of this idleness? Is it because there is nothing for these people to do—or because they can do nothing? Everyone knows that in this world there is work enough for all, both of hand and brain, if they only wish to work and know how to do it. The difficulty usually lies with their parents, who neglect to fit their sons for some useful and remunerative labor.

What is the consequence of a neglected education? Read the fearful facts from our United States Criminal Calendar.

"It is a fact as startling as significant," says Professor Nickerson, that of 14,000 criminals in the United States in 1858, nearly seven per cent. of which have never learned a trade. Out of two hundred and forty convicts received at the Eastern Penitentiary last year, only twelve have been apprenticed and served their time. Is it not time that the multitudes who are idly waiting for clerkships were turning their attention to agricultural and mechanical work, which is more honorable and more remunerative, and invites, on all sides, willing hands?"

As ignorance is the nursing-mother of crime, there is but one way to save the rising generation from the same fate as those pictured in the Prison Report, and that is:

EDUCATE YOUR SONS FOR BUSINESS.

A young man thoroughly educated for business is worth more to any mercantile house than a dozen without such qualifications. There are many young men in this city who are continually applying for employment and fail to get it; because they are not educated or properly fitted for business. Under the present system, young men must be educated for business as much as for medicine; then in future there will be fewer failures.

We have Schools, Seminaries, and well endowed Colleges where students are trained in classical lore and fitted for Professions, but the great masses of young men are not found there, however liberally the doors of the Institutions may be opened.

The great masses of our young men should be educated for the ordinary business occupations where they can find an easy opening for them when they shall be prepared to enter life's duties and provide for themselves, the larger portion of these young men are not desirous of entering the Professions; they see them now more than filled, and they ask for the active duties of out door life.

Thousands are wanted to-day in this city and this State. Young men who thoroughly fit themselves for the duties of a business life are in as great demand as ever. Enough cannot be had in business to-day who are competent and trustworthy. With these facts in view, it becomes parents to give their sons a useful and practical education—one which will fit them to earn their own living and become useful members of society. For this purpose there is no other school on the Pacific coast whose merits can compare with Head's Business College.

GRUMBLES.

Here is some capital advice which we find in the *Country Gentleman*—will our farmers note these facts:

A WORD OF PROTEST FROM A FARMER.

It has often been a cause of regret to me, in looking over the agricultural papers, to see so many complaints from farmers in relation to their business not paying. And then we quote of point to the merchants as an example of prosperity compared with ourselves. Little thinking that if they published their complaints as freely we should and their papers and magazines overrun with accounts of failures. It is with farming as with everything else, not the business that makes the man, but the man the business. Farmers, as a class, try to do too much. It is one thing, putting in a crop, and another thing taking care of it. I think that if we were to give the thought and labor to the different crops which they demand, our complaints would be far fewer than they are. All the patrons of husbandry, all the clubs, all the agricultural papers in the country will not help us; if we do not try and help ourselves. So far as I have observed, those who do the most grumbling do the least work and thinking.

WHAT NEW YORK SAYS.

CALIFORNIA AS A GRANARY.

California gives promise of becoming up into new prominence as one of the greatest of grain-producing countries. And just now, when Russia and the United States are looked to by England and France to make up a deficiency of 150,000,000 bushels, California comes up smiling with her fair share of the needed grain. During the three months ending September 30th, there left the Golden State 135 vessels, carrying 80,000 tons, or nearly 3,000,000 bushels, and thus far this year such shipments from California have aggregated 225,000 tons, or about 8,900,000 bushels. At least one-third more has been shipped during the year than for the corresponding period of last year. The season's crop has been a good one, and although the yield has been somewhat below that of 1872 the main value of the crop, at the advanced prices of the year, has been greater than in any previous year. This encouraging state of things has stimulated the farmers in all the wheat-growing counties to devote more land to wheat, and it is already evident that the coming year will show an increase of thousands of acres in the acreage now to wheat. As in almost everything else the producer, California may justly boast of her wheat as a world's marvel, both in quantity and quality, and her development in this direction is likely to insure more to the world's benefit than has the gold which has been mined from her bosom.

The man who is the most afraid to die, is the one who knows least how to live.

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE

Insurance Agency.

No. 314 California Street,
SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

American Insurance Company, Cincinnati, Ohio,	\$1,174,000
Atlantic and Pacific Insurance Company, Chicago, Ill.,	250,000
Glacier Insurance Company, Philadelphia, Penn.,	655,000
Kansas Insurance Company, Leavenworth, Kansas,	250,000
National Life Insurance Company, U. S. A., Washington, D. C.,	1,236,000
New Orleans Mutual Insurance Association, New Orleans, La.,	1,478,000
North Missouri Insurance Company, St. Louis, Mo.,	1,235,000
Penn Insurance Company, Philadelphia, Pa.,	285,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.,	626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS.

No. 314 California St. San Francisco, Cal.

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Seminary Park

POULTRY YARDS,

(one mile from Market Station, O. P. R. R.)

ALAMEDA CO., CAL.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Poultry, bred from Prize and Imported Stock and properly mated for breeding, at the following low rates:

	Per Pair.	Per Trio.
Light Brahms	\$10.00	\$15.00
Dark "	12.00	18.00
Buff "	12.00	18.00
White "	12.00	18.00
Black "	12.00	18.00
Partridge do.	18.00	25.00
Hendon and White Leghorn	10.00	15.00

ALSO

Silver and Golden Spangled Hamburg, Brown and Aylesbury Ducks, and Creoles, Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$3.00 per Dozen. Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Mammoth Bronze Turkeys Bred from First Prize Imported Stock weighing 64 pounds the Pair. Will spare Cocks a \$20.00, Hens at \$15.00, Trice at \$45.00.

Parties wishing Birds for Exhibition, will do well to pool with me and secure a special price. Birds Imported on Commission. Please send for Circular and Price List. Address P. O. Box 1874, San Francisco, Cal.

Please state when you saw this Advertisement. 40.1

BOUND VOLUMES OF FARMER

We are now prepared to offer the BACK VOLUMES of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purposes of Libraries, etc.

Apply at the office, WARE & Co.

SEED WHEAT.

I now offer to farmers of the State a quantity of that unequalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Tonn. For one Tonn and upwards Four Cents delivered on board the Carrier North.

Orders addressed to Geo. B. Moore, Chico, or Wm. Van Woert, Nord, will receive prompt attention.

The quantities that I recommend the "PRIDE OF BUTTE" to Wheat Raisers are the great prolificness, small amount of seed required, short, stout straw adapting it to rich lands and summer fallow. For quality and quantity of Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize. The four made from it also won the Premium.

WM. VAN WOERT

Chico, Butte County, Cal.

Alfalfa! Alfalfa!!

Those who intend to Pasture and Plant ALFALFA can have Samples of the different kinds sent to them with prices of each, and full direction for

SOIL CULTURE.

TIME OF PLANTING

OURING, &c., &c.

with valuable data, by sending to the

Farmer Office,

820 Clay St.

SAN FRANCISCO.

OIL CAKE MEAL

THE BEST FEED KNOWN

FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing. A description of food so greatly promotes the health of male and female stock, and we urgently request all engaged in the dairy business, raising and fattening stock, or growing, to give it a trial. Looking confident that they will find it of very great value. By those who have used it, they testify, Oils pound is pronounced to be equal to two pounds of Corn Meal; and in the United States Government Report of the Department of Agriculture for 1865, it stands in the following relation to other feeds as to the percentage of flesh produced from a hundred pounds of food, viz: Oils 18 per cent; Oil Cake Meal, 23-100 per cent. It is also containing properties to all stock as a feed to sudden changes of weather or over-driving. It is so easily digested, increasing the quantity of milk and giving it a valuable quality to a great extent than any feed known. A suitable quantity for one quart at night, alone or mixed with any other food, generally mixed with the most of bran, clover, roots, or any food of any kind. It is important to soak it for six or eight hours, the effect being to increase its bulk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other feed. It is always better more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES it is a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for Horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and endurance and for all uses of the hair.

At present price \$30 per ton, it is the cheapest feed known. It is now selling in New York at \$18 per ton, and at \$50 per ton in England; where it has been proved to long to be in every respect the most profitable feed known for stock of all kinds—question being fully equal to three tons of bran.

The increasing demand for this feed from those on its use by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Warehouse, King street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET,

Sacramento.

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

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Horticulture.



NATIVE GRAPES AND HYBRIDS.

For nearly twenty years I have been anxiously searching for the grape that combines the strongest array of points of merit for the most extensive cultivation. Early on, of course, must be one of these points. Thus far, the Hartford leads in this matter, but it fails in flavor; does not adhere to the stem firm enough for handling and marketing, and the fruit cannot be kept. These things make it unsatisfactory. The Concord is not much better, and lacks the desired earliness.

Foreign varieties have been introduced, but east of the Rocky Mountains and north of the semi-tropical regions, they are found to lack hardiness or to be subject to mildew. Their hybrids have been tried, and some of them have shown the result; but either the vines are too tender for northern winters, or the clusters are stricken with blight. At least I know of no hybrid that strikes extensive and profitable vineyard culture in the region east of the Nevada.

Native seedling grapes alone stand the test of time and come into popular use. The Bureka combines the best array of good points of any grape I have yet seen. It is a native American seedling, no hybrid or cross, but a seedling of the Isabella. Earlier, harder, and free from the mildew or blight that the foreign mode of summer pruning has brought upon its parent—better in flavor and richer in aroma—with fewer seeds and tender pulp, and with a better keeper than even the "old favorite" which it superseded—this new variety approaches nearer the point I have sought in a grape than any now before the public; and I have ceased to look for an earlier fruit, or a better, that retains all the array of merit which characterizes the Bureka. Its superior in keeping is hardly possible.

However, my further search for an early grape that is better than the Hartford—earlier in flavor and aroma, and tender in pulp and skin than the Bureka—is an accomplished success. I this year fruited four Bureka seedlings that ripened with the Hartford—all better than the Isabella and Concord, and the exquisite I have described above.—Correspondence of the Cultivator and Country Gentleman in New York Wine and Fruit Reporter.

FRANCE.

THE CHAMPAGNE VINTAGE IN 1873

With the exception of 1868 and 1870 the vintage in the Champagne vineyards for several years could never be called an abundant one, and the quantity never has amounted in good years to 8 or 10 places of wine from the arpent, reached hardly 3 or 4 during that period, and in 1872 only 2 places.

In spite of these facts, the export trade increased from year to year. In 1871, 20,000,000 bottles of sparkling wine were shipped to the interior of France and to foreign ports, while, according to the statement of the Chamber of Commerce of Reims for 1872, it amounted to 22,261,333 bottles.

Ten years back, in 1862—63 we find for the corresponding period only 10,705,207 bottles, which makes the figure of 1872 to be double of that ten years ago.

Under these circumstances the price of wine could only advance, and the year 1872 seemed to confirm this expectation by an advance of prices which vinegrowers and wine merchants unanimously declared unsurpassable.

THE SPANISH EXPORT DUTY ON WINE.

From Cadix we hear that the vintage has, so far as quality is concerned, been quite satisfactory, but the yield is undoubtedly small. Quite a panic was observable during the past few days, owing to the report that the Spanish authorities would levy an additional export duty of five per cent. on all wines, to come in force on and after Nov. 1st, next. This imprudent measure, coupled with a short yield of fine quality, will soon be felt in the prices of all cherries, and more especially in the cheap qualities, a scarcity of which may soon be expected upon this market. Within the last few days merchants have been ordering to an enormous extent, in order to save the export duty, and the purchases are made on the condition of the consignments being forwarded before November 1st, or with the understanding that the extra five per cent. duty be paid by the shipper. This excitement in the market has now been, to a certain extent, succeeded by a sudden calm, owing to the report that on and after January 1st this duty will only be one per cent. In fact, we are informed that the Spanish authorities, being so desirous of having their wines placed on the same basis as the French wines with regard to the first duty, are seriously inclined to rescind the order for this tax altogether.

ORANBERRIES.

Some of the meadows of Massachusetts are so well adapted to the growth of the cranberry that fair crops were in old times raised by simply planting the vines on the surface, or by only giving them a chance to grow. But those who make cranberry growing a business, generally expend a great amount of land in preparing the land. The cultivator must build dams and ditches by which he can let on and draw off the water. Generally the whole body of turf, moss, sod, turk, stump, root, &c., is removed to the clear mud below—if this is not done, there is danger that the natural growth of the meadow will push up through the sand put on, and choke out the cranberry vines. The whole is then covered with clear, sharp sand.

The requisite of a cranberry meadow are stated by the writer on the subject to be as follows:—A fine clear, white sand, well mixed with peat or muck; a plentiful supply of water; a stratum of pure mud underlying the meadow; winter flooding, and a meadow kept free of all foreign growth.

New Cranberry Roots, Seeds, &c.

When at Sacramento lately we had a chance to look over the stock of New Bulbous Roots just offered at Strong's American Seed Store, on J Street. Mr. Strong has a fine and large collection of Bulbs, Flower and Garden Seeds, for the Sacramento folks and they should buy liberally.

The Oldest and the Best.—These are the bold claims which the publisher of the New York Observer makes for their paper. And get the facts of history bear them out in their first, while an undeviating course in reading out a large, full, fresh, readable family newspaper, given them at least a right to lay claim to the second. In the great multitude of papers that are published the Observer holds its own position, and an enviable position it is. No paper reaches us that we can recommend more heartily. It is published at \$3 a year, by E. I. Prime & Co., 37 Park Row, New York.

SPLENDID VINEYARD

FOR SALE!

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 6,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can yearly be enlarged as the soil is in the best condition for it.

There is now 25 Acres sowed to Alfalfa, and 20 Acres more of Summer Fallow land ready for seeding.

There is now upon this place a good Dwelling House hard finished of 8 Rooms, with Kitchen, &c., a good granite walled cellar under the house, 16 feet deep—a Good Barn, a Wine House 44x22 with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmidt's Improved Copper Still that cost \$1,200, a Grape Crusher, a Shed and Shop 16x20 with all needed apparatus, and Farming Tools sufficient for the place.

Choice Fruit Trees enough for home use, plenty of Wood on the Farm, two fine Wells of Water and a living Stream of Water running through the land.

This Vineyard is located two miles west from "Shingle Springs," in El Dorado county, only Three-eighths of a mile from the P. S. V. Valley Railroad, and is finely located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a GREAT BARGAIN, if applied for soon, Terms Cash. Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER.

THOS. A. GAREY'S Semi-Tropical Nurseries.

SAN PEDRO TREE

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 255.

THOS. A. GAREY,

Proprietor.

LOS ANGELES, CAL.

Send for Price List.

NEW

Bulbous Roots—Seeds.

The undersigned have just received a new and fresh lot of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquils, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTHS VASES AND GLASSES.

ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

J Street, Sacramento.



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN Grounds renewed and replanted, or those who desire to have Grounds designed and laid out upon scientific principles, and with correct taste and skill, at moderate prices, can have this work done to their satisfaction by calling at the Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

Adapted to this Climate,

can have this work done to their satisfaction by calling at the Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

to small Gardens, in our City, will be designed and laid out, and the Trees, Plants, shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

None but Educated men ever engaged in such work.

Address WARREN & CO.,

Farmer Office.

WANTED.

We will give energetic men and women

Business that will Pay

from \$1 to \$5 per day, can be pursued in your own neighborhood, and is strictly honorable. Particulars free, or samples worth several dollars that will enable you to go to work at once, will be sent on receipt of any card.

Address J. LATHAM & CO.,

40-42 Washington Street, Boston, Mass.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us, free of all postage or works of the year—this is our custom, those who are in want should always call when in the city we shall be glad to see them at our Reading Room, always open and free to all

Seeds! Fruit! Produce!

CHOICE FRUIT OF EVERY DESCRIPTION WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds, always on hand.

Also Vegetables, Honey,

Nuts, Butter, Eggs,

Fish, &c., &c.

Strictest care used in Packing Fruits and Produce for Nevada, Utah, Colorado and the Eastern States.

Orders collected by

A. H. CUMMINGS & CO.,

30, 32 Second and 58 J Street,

SACRAMENTO, CAL.



The Fourth Number of VICK'S FLORAL GUIDE

for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents per copy for the GUIDE a year—200 pages, 500 Illustrations. Full Number, 5 cents.

First number for 1874 will be ready to mail Nov. 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address

39-23 JAMES VICK, Rochester, N. Y.

Or send for Price List.

Ornamental Trees,

A BARGAIN.

The Undersigned, desirous of giving his entire time and attention to his Art, and to confine his entire attention to the care and culture of his Trees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

AT A

GREAT BARGAIN.

as he is determined to close out all his Trees this Autumn

The following are now offered at very low rates:

2,000 to 3,000 Locust Trees, from 1 to 4 years old,

6,000 to 10,000 Lombardy Poplars, of fine growth, 6 to 30 feet high, and of fine form

4,000 to 6,000 California Walnuts from 1 to 3 years old,

1,000 Circassian Mulberry Trees—very fine

500 American Black Mulberry, the trailing species—the Fruit being very superior, the Trees great bearers.

Purchasers wanting any of these Trees are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold.

Address, J. S. HARBISON, Apiculturist,

SACRAMENTO.

Or OLE GOODRICH,

Riverside Road,

3 miles below Sacramento.

"A Complete Pictorial History of the Times,"

The Best, cheapest and most successful Family

Paper in the Union.

Harper's Weekly.

SPLENDIDLY ILLUSTRATED.

Notices of the Press.

The Weekly is the object and most powerful illustrated periodical published in this country. Its illustrations are scientific and convincing, and carry much weight. Its illustrations of current events are full and fresh, and are prepared by our best designers. With a circulation of 150,000, the Weekly is read by at least half a million persons, and its influence as an organ of opinion is simply tremendous. The Weekly maintains a positive position, and expresses decided views on political and social problems.—Zollitt's Quarterly Journal, Oct.

SUBSCRIPTIONS.—1874.

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THE CERKE WINE

The Product of the Celebrated Bosquejo Vine-

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Hills of Tehuacan County, Mex.

It is a White Wine of the character of the Rhine Wines of Europe, although richer, and being held and properly cared for, has been perfected by age, (that which is now offered being the vintage of 1868).

And in order to fully guarantee its purity, is sold only

in Bottles bearing the Trade Mark, H. G. upon the Label

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SHERRY,

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are also Products of the same Vineyard, and sold in any de-

sired quantity.

Working as we do to promote the reputation of our own Vineyard, we take pride in placing its productions upon the market in their pure and natural state.

The Wines from this Vineyard are pronounced by com-

petent judges to be the best brands of California Wines.

HENRY CERKE,

418 and 420 Market Street, Cor. Butler,

San Francisco, Cal. P. O. Box 248.

GEO. HAMLIN, Manager.

38, 39

G. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, and

Angelica, Etc.

Northwest corner of Battery

and Pine streets,

SAN FRANCISCO.

HOAG & CO.,

General Produce.

COMMISSION MERCHANTS.

NO. 200, DAVIS STREET,

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Special Attention given to all kinds of

and Fare.

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MERCHANTS' EXCHANGE BANK, San Francisco.

R. M. WILLIAMS & Co., Eureka, Humboldt Bay.

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BANK OF SAN DIEGO, San Diego.

Cash advanced on Consignments and on Property

in Store.

[88, 13]

PURE

ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN

BEE, raised and grown by the undersigned and reared in

the HARBISON "PATENT HIVE."

We can supply to the extent of 300 Good Swarms

These Bees require less care than any other Bees known

and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the Apiary

and see the vast numbers of Bees at work, wherever

there is a Flower there will be found the "Easy Bee" at

work.

Address J. S. HARBISON.

San Francisco.

Real Estate to Exchange.

A good located pleasant Residence is wanted

in the Country of Vines.

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling

Land, good soil for Orchard and Garden, neat

and pleasant Buildings, for these good and

valuable Real Estate, pleasantly located in a

good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE.

39, 17

CHEESE CURD

CUTTERS

Of all Sizes,

FOR SALE AT THE OFFICE OF THE

California Farmer.

COMMISSION

SALES-ROOM

Purchasing Agency.

Having had the experience of over thirty years in

THE CALIFORNIA FARMER,

SAN FRANCISCO.

THURSDAY EVENING, DEC. 11, 1873.

CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

309 Clay Street—Marble Building—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Room and Museum of the Farmer are always open, and are attended ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM
Fruiters and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer's Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Forestry, works for reference upon all subjects, with a Cabinet of Minerals, Coins, and Curiousities of Interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.
The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion. Twenty cents a line for any larger space. Each subsequent insertion half the rate. This is a liberal offer, the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.
Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also. Address: PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

W. H. PETERSON & Co., 10 State Street, Boston, 27 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising in our issue.

Editor's Chair,

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall draw attention to such articles in each issue of the FARMER, to which we would direct their special attention.

Our European Letter shows the progress of Agriculture in France, their Agricultural Schools, the Grape Insect, Special Manures, &c.

The excellent *Wool Report* of Messrs. Brown & Son, of New York, is worthy special attention.

The *Home Department* we most earnestly commend to our Noble Women who can appreciate human progress. The matter this week is all important—the article on "Babies" and on "Presence of Mind" most especially so.

Our Farmers must read about "Production of Corn" on the 74th Page. Grain-raisers are deeply interested in the important facts there stated.

Farmers and all who have Sons should read "Nothing to Do," same page.

Department of Agriculture.—We have received from the Department the November Report, which is a valuable number containing important data.

New York State Agricultural Society Reports.—We are indebted to this Society for their bound Volume of the Society's doings for the year 1872, from which we shall make early extracts of their successful labors as reported therein.

We have a copy of the "Illustrated Toy Day"—a splendid Literary Magazine, Published by Dr. Dr. Lewis, of Boston.

Dr. Lewis has won an enviable fame as a progressive man, and his "Toy Day" will live and become one of the illuminators of mind.

Education.—We have No. 5, the "Circular of Information" from the Bureau of Education at Washington. The present number contains a series of valuable information upon the Condition and Prospects of the various Colleges and Institutions of Learning in the United States—a very valuable Report.

AMERICAN SUNDAY SCHOOL WORKERS.

The November number of this Journal for Sunday School Teachers and Parents, announces its terms for 1874. They are so modified that it should increase its circulation, which it richly deserves. It enters upon its fifth year. Being no denominational, it has adaptation to any Sunday School. The Sabbath School on the Pacific Slope will find this excellent Magazine a great aid in the Sabbath School Education. The Lesson Papers are admirably adapted to promote in the children the study of the Bible. The Publisher, J. W. McIntyre, St. Louis, offers to send on application without charge sample copies.

"Cannot something be done to prevent young birds from being insouled on our streets at night?" asks a Cincinnati paper. There can. Just have the girl's mother knock her into her bed about eight o'clock in the evening and lock the door on her.

There is two kinds of wise people in this world, the wise and the unwise.

THE HOPEFUL SEASON.

The recent long continued storms have given to our Farmers great joy and inspired them with full confidence, and they are now assured a prosperous outlook for another year.

Our own experience, and the data we have of the seasons from '49 makes no year so well begun with the favor of a preparation for the Grain Harvest, except the fall of '81, preceding the great flood of '82, therefore we may feel assured that the Grain Crop of '74 will be an enormous one.

In our visits up the river through the Napa Valley, and the Sacramento Valley, and also the San Joaquin, and also the Upper Sacramento, there has never been so large a space planted on dry soil as the present year, this with the increased acreage of '74, under the present glorious prospects, will give us a harvest of nearly 40,000,000 Bushels—nor do we set it too high either.

We are willing to go back for years and see our estimates and they have been verified by the results, as they were the last season—beyond all the estimates made by others.

The Grain Crop of this year's planting will be put in in much better condition than for many years past, better prepared land, better seed, better work and earlier planting, consequently the certain assurance of better results.

We asserted early in the year that our Harvest of '73 would be equal to that of '72—what do the figures say?

There has been sent away from our State since last July, 131 Vessels with Wheat and Flour, and equal to four Million Centals, and valued at Nine and three Quarter Millions of Dollars.

The exports of 1872 was in same time a trifle only above four and a half Million Centals, which only realized but Seven and three Quarter Millions, that we have sent abroad Two Millions more in value than last year, and have still a large amount to go forward.

Here we think is a proud showing for our State, while to this, can be added our Wool, our Wine, our Hops, and other products that can swell our exports to an amount larger than all our Gold Mines.

It is to such facts that we would call the earnest attention of our Legislators and ask their careful oversight of these great interests of the people.

CHRISTMAS HOLIDAYS.

There is no day in the Calendar of the year linked with so many of the Dearest, Sweetest, and Holiest emotions of the soul as the Blessed CHRISTMAS DAY.

Its coming is hailed by all from youth to age, as the Star of Hope and of Joy, and even the day infant seems to feel that there is something new and wonderful about to happen, as the season of Christmas approaches.

This is as it ever should be, for it is the NATAL DAY of the CHRISTIAN, and it is the Light from the "Star of Bethlehem" that has been the means of making mankind better and happier.

Christmas Day too is the "Bond of Union" to the "Family Circle," its coming awakens all the sweetest and tenderest ties of affection, and keeps us from loving the world and outward things more than those who are dear and dear to us, and there is no pang so bitter to a loving heart as that, which prevents one from carrying out its dearest wish on the return of this Blessed Day.

Christmas Day is dear to us, and the great preparations for it is seen everywhere, in all places where those "Emblems" are to be had, which are given from "Peasants to Children," and from "Friend to Friend"—our streets are now alive with the note of busy preparation, and from appearances the coming Christmas will be a joyous and a happy one.

We trust all our readers may find it a Happy and a bright and joyous day, that each may be enabled to give and receive, making many hearts glad and being made glad themselves by so doing for

This Christmas Holiday should be,
A Day without alloy;
Christ said, the Good ye do, ye do for me,
This is the Christian's Joy.

THE STORM CONTINUES.

We believe we have never had so wide spread a Rain Storm since the days of old '49, the Rains have come down upon the Earth as a crowding blessing from one end of the State to the other, and in such abundance as to satisfy all, even now the prayer is, hold up, hold up, and some thank fol ones even murmur and say we are having too much, so that they cannot plow.

It is certainly very wise to plow wet land, but the high lands and the Hill tops can now be plowed and planted with great advantage, and wise Farmers are improving the present time to their utmost.

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements appear in OUR HOLIDAY NUMBER of which we shall scatter many Thousands should send in their favors early, that they may secure good places and due attention, this is the season that advertising pays well.

OUR NEW VOLUME.

We XL, upon entering our Fortieth Volume, and think we can claim title to XL, for our Fifth has been excellent to carry us on for Twenty Years.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us freely at all months or weeks of the year—this is our custom, those who are in want should always call when in the city we shall be glad to see them at our Reading Room, always open and free to all.

INCREASE OF OUR POPULATION.

One of the most important matters of interest to our people is, are we increasing in population? and what population of the right kind to build up our State permanently?

The following facts show conclusively that we are doing both:

The arrivals for the last Bloom Month from all quarters by sea, are 24,763
41,043
Those by the Railway 65,805

Those who have left by sea, 10,450
" " by Railway, 22,204 32,654

Being a net gain of 33,198
In 1872 our gain was 17,472
In 1871 " " 4,214

Thus it will be seen that we have nearly doubled 1872, and more than 8 times that of 1871.

In addition to these numerical facts it is certain that those who now come to remain with us are men with families and means, those whose coming will lead materially to build up our State.

There is another good feature about our New Comers, they are but Heralds of greater numbers, the advance guard, many came perhaps last year to see, and spy out the country, they come now as permanent citizens; and so it will be with hundreds that are now here as visitors this winter to escape the Frozen North, they may go with the Spring, but will soon return again to make their abiding place here.

This fact should be noticed, the present year's new comers are over three thousand per month, and now increasing.

To fully comprehend whence these come who arrive in our city, a glance at the Hotel arrivals daily it will be seen they come from all parts of the world, and while our Hotels are full, the cry is still they come!

AGRICULTURAL ITEMS.

The Grain Crop for 1874 will be expedited to market by means of the New Railroad from Santa Station, (San Joaquin County), to Oakland, work along the line is being pressed energetically at the principal points, this will also aid Contra Costa County by placing Martinez within two hours of San Francisco.

J. B. Hoyt, Esq., of Solano County, has just received, in an excellent order, 127 Sheep of the Shropshire Breed, so highly spoken of by our European Correspondent. This breed of Sheep is undoubtedly one of the best to introduce into our State, they made the passage in the quick time of 47 days from Shropshire, England.

Dry Places made Glad.—The Rain Storms this year have been remarkable in their wide extent, and falling as they have in great abundance in all those places where in former years but little rain fell, while other parts of the State were liberally provided for.

This year the rains have been abundant all down south to gladden all in that region. Los Angeles boasts that the ground is wet down eight inches, and San Diego, Santa Barbara, and all the Southern region rejoice in their glorious refreshings, so that this section of Country will show an immense harvest of Fruits, Wine, Wheat, Corn &c., for 1874.

Irrigation in Butte County.—Reports from those who adopted a system of overflowing their land in Butte County last spring proves a large gain in their crops over those not irrigated, further experiments will still further prove their utility.

The Silk Interest.—This very important interest should receive a due share of attention from our Legislators this winter, it is worthy their careful investigation.

We are glad to learn that the little factory of Ribbon Making at Oakland, which has been sustained and carried on by Mr. and Mrs. — and whose manufactures were exhibited at the State and other Fairs, is about to be enlarged by a company to be organized for conducting it on a much larger scale. Success to it.

OUR LEGISLATURE.

It is hardly time to give any decision upon the Legislature and its actions yet, as the theme that engages all minds is the great SENATORIAL Question, and we trust this will be decided soon, so that good works may progress.

We have full confidence that good work for the People will be accomplished this year, that the "Fence Question," "Free Bridges" and "Turnpikes," will be the word, "Preservation of our Forests," "Tree Planting," "Protection to our Mechanical Interests," Liberal and just Bonuses to all our New Industries, and a Parental oversight to the Great and sure foundation of our State's prosperity, its AGRICULTURE.

"ROBERT BUNN.".

Lovers of Bonnie Scotland, the Land of Poets and Song, the Land of Robert Burns, and the host of noble spirits that have immortalized the land where "Wallace Bled," will have an opportunity to hear the Rev. Robert Schlegel's Lecture on "Robert Burns" at the Central Presbyterian Tabernacle on Tuesday evening next, Dec. 16th.

In addition to the Lecture there will be Recitations and Songs. It will be a rich feast for those who can appreciate Intellectual Food.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their Wants!

THE HONEY TRADE.

From several interviews with Mr. Harrison, the well known Apiarian, we are more fully confirmed in the opinion that ever, that what is worth doing is worth doing well, and as the "Good Book" has it, "Whatever thy hand findeth to do, do with all thy might."

Mr. Harrison was among the first importers and raisers of the Honey Bee in our State and he has continued as it constantly and devotedly, making the "Bee" his constant study, watching them in all their varied conditions, seeking out the best localities for them, learning their instincts, the most desirable food for them; and studying the nature; character and the remedy for the "Foul Brood," which has proved so destructive, he also has the "Bee Moth" which has done great injury to the apiaries, and many of the scattered hives over the State.

Mr. Harrison established a large Apiary at San Diego, some two years or more ago, which has been very successful, from which he recently brought up over 20,000 lbs. of Honey and took it to Chicago over the Railroad, and made a satisfactory sale of it, and has recently prepared a second exportation for the East of some 30,000 lbs.

Mr. Harrison recently shipped to his San Diego Apiary from his large Home Establishment 99 Hives, placing them on board the Steamer in the most excellent order.

In this connection we would state that Mr. Harrison called at our Office at the time of the shipment of his Bees to San Diego, and while giving us the particulars of his operations and the date of his introducing the Italian Bee; &c., remarked to us that he had noticed the several paragraphs in some of our Daily Papers, which were very erroneous, stating that he sold his Honey at 36 cents, and that he was about to make an Apiary at San Diego, &c. Mr. H. said to us that he had given no such information to any paper for the facts were, he had already been at San Diego two seasons, and the price named for his sale of honey at Chicago was much beyond the market; in fact those paragraphs were all guess work. Mr. H. saying he had given no particulars, save to this Journal.

With a desire to do Mr. Harrison justice, we correct these erroneous statements, made elsewhere; we can state from our knowledge of Mr. Harrison's close application to his business, that he has made himself Master of his situation, understands all the various duties of the Apiarian, and by many years study and attention to the great evil of the Foul Brood he has now eradicated it from his own Apiaries, so that all who desire to secure strong swarms of healthy Bees can be sure of them by sending to him, this is all important as there is still more or less of this disease among bees in various parts of the State.

This disease was introduced into this State and scattered widely by those who were ignorant of its nature, yet who by bad management, and a desire to increase and sell swarms and make money at all hazards, have scattered the disease, and done great wrong and injury, entirely destroying many large collections.

This disease prevailed extensively among the old "Black Bees," but these have nearly all past away, and in their place we have the "Italian Bee," a much superior worker, a handsome gold banded pretty bee, more gentle, cleaner, and a more healthy Bee.

Mr. Harrison first introduced the Italian Bee in 1866, it has come into use, so that now it is the only variety worth having. Mr. H. has done much for the advancement of this interest that now the sales of Honey and Beeswax take rank as among the Staple Commodities and large productions of our State.

There is now a large amount of Honey brought from Mexico and other places and sold as strained honey, this can never be relied upon as a pure honey or as a healthy honey, the only reliable pure honey is the Comb Honey, there can be no deception in this, only Buy this, and you secure pure Honey.

CHRISTMAS ENJOYMENTS.

As this day so celebrated among the Festival Days of the Season is near at hand, it must be an admitted fact that those who make the most hearty happy will secure to themselves a still larger share on the principle that "It is more blessed to give than to receive."

Now there are three classes in every community that are too apt to be forgotten in one way, i. e. in the payment to them of what is their due, we mean the Ministers, Doctors and Publishers of Newspapers, they may be remembered by some token on that day as a mark of friendship—but perhaps they may not have it in their power to do many things they desire to do, their dues are withheld by neglect or thoughtlessness, when the prompt payment of what is due, these three classes would make them doubly happy by giving as well as receiving.

If all who own the Minister, Doctor, and Publishers for their Newspapers would perform their duty there would be a large increase of Happy Hearts on the coming Christmas and New Year's Festival.

Who will make themselves happy by the performance of their duty.

THE NAPA GANG FLOW.

We again call special attention to the Napa Gang Flow which is advertised in our Columns by Messrs. Linforth, Kellogg & Co., who are the Sole Agents in this City.

This Flow has become quite famous in the Counties of Napa, Solano and Sonoma, as well as abroad, and we hope Farmers when they come in to the City will visit Messrs. Linforth, Kellogg & Co.'s Store, No. 3 & 5 Front Street, and see this most excellent Gang Flow.

A Chicago druggist asked a woman what she wanted of arsenic, she replied, "I want it for rats and my old man," Her frankness stopped the sale.

HYMN FOR THE SEASON.

Shorter and shorter now the twilight clips
The days, as though the sunset gates they crowd,
And summer from her golden chariot clips,
And strays through stubble fields, and mows and mow.

Save whom by the summer air deceives,
And, stealing hopeful to some sheltered bow,
She lies in pillows of the yellow leaves,
And tries the old times over for an hour.

The wind, whose leader whistler in the May
Set all the young blooms floating through the grass,
His rustling in the faded boughs to-day,
And makes his cold and unrecalled love.

The rose has taken off her life of red;
Too mellow stalk its yellow stars has lost,
And the proud meadow pink hangs down her head
Against earth's chilly bosom, drenched with frost.

The robin that was busy all the June,
Before the sun had leaved the topmost bough,
Catching our hearts up in his golden tune,
Has given place to the brown cricket now.

The very cock crows lonesomely at noon;
Each flag and fern the shrinking stream divides,
Uneasy cattle low, and lambs forlorn
Creep to their strawy sheds with headied hides.

Shut up the door! who loves me must not look
Upon the withered world, with haste to bring
His lighted candle and his story-book,
And live with me the poetry of Spring!

—ALICE CARY in Illustrated Bazaar.

THE FARMER'S GOVERNOR.

The time has come when the people of this State should be considering the very important question of, who shall be the next GOVERNOR OF CALIFORNIA?

Newton Booth, the present Governor is before the Legislature as Candidate for the United States Senate, he may or he may not be elected, whether he is or not, we need a man for the GOVERNORSHIP, again the next term that shall command the confidence of the great masses of our Industrials, a man whose heart and soul is with the people, all their best and highest interests.

A man who cannot be bought, bribed, or intimidated by Partisans.

A man whose greatest aim shall be, to labor for the "Greatest Goods of the Greatest Number." That Man is JOHN BIRWELL, of Chico, who was in deed and truth, the people's choice, who Geo. O. Horsem and his party defeated him by base intrigue.

Now is the time for the Farmers of our State place their Candidate before the people, then the true interests of our State will be well cared for, and the best welfare of our people secured.

JOHN BIRWELL, the Farmer, for GOVERNOR OF CALIFORNIA, the Next Term.

INSURANCE

"TRUE AS GOSPEL."

If one should catch his grocer selling sugar two or three cents a pound under the market, he would inevitably conclude that the sugar was watered, or else the grocer did not intend to pay his debts. If the dry goods dealer marks down his goods, they are either out of season, unsaleable, or inferior goods. Every one knows the chances largely in favor of being cheated at a dollar store, and yet they all do a thriving business. It is just the same with insurance; so long as human nature is composed of the glib little man now used in his manufacture, we have no doubt that the "Cheap John" and "Peter Pan" in fire insurance will have a wonderful successful career. Of course there is large, and a constantly increasing class who never patronize these shifty concerns, and it is among them our soundest principles must look for their business. Some people take policy of insurance as Mrs. Woodhouse bought the door plate with "Thompson" on, because they think it's a handy thing to have in the house; others do, it because, in the event of a fire they want indemnity. It would be hard to say that both classes should not be satisfied; but it is impossible for the insurance company to suit both. If it attempts to suit the man who simply wants a policy and wants it cheap, it is out of his power to accommodate the man who wants indemnity. Companies have tried this, and the most people who attempt to do so two stools, have fallen to the ground.—Insurance Journal.

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to continue as that we should do so, we must be in those Journals some evidence of reciprocity on our Cause and to our State, Journals that will defend California's interests and speak of our State as it deserves, will receive our first consideration.

We desire first to extend the information of our now rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for us or our State we shall gladly exchange with in preference, other things being equal.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our list (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and as we pay the Postage this side in all we shall continue, others will receive due notice of our declining exchange.

RAILROAD TRAVELLING.

We give on our outside Page a complete List of all the Routes of the Central Pacific, Western and Southern Pacific Railroads, with Ticket Tables complete, together with Steamboats and their Timm Tables, all corrected and complete for reference, and for all travellers.

VALUABLE DEVON STOCK.

We call special attention of those who wish to purchase Devon Stock to those advertised in our Columns this week; as we have seen and examined this Stock, we know it to be Pure Blood and that is represented to be.

Purchasers can learn particulars relative to this Stock, Pedigree, Price, &c., by calling at the FARMER'S Office.



Home Miscellany.

THE LITTLE HAND.

[This sweet little gem of a poem is the production of the late Lady Lawrence, wife of Sir Henry Lawrence, who was killed in the battle of the Sepoy rebellion in India.]

That hand of thine, my precious child,
How oft thy soft caress I woo,
And ask, with many a hope and fear,
What is that little hand to do!

How ductile, soft, unsworn by toll,
The ready instrument of play,
It traces to the fancied quiet
That makes thy life one holiday.

It rolls the ball, it guides the pen,
And others strange can follow trace,
And oft, with warm affection's glow,
It fondly strokes thy dear-worn face.

The mimic arms it well can wield,
And when we can the lettered page,
And follows oft thy words we read,
Folds in the tiny words we read.

And in thy parents' hands 'tis clasped,
When night and morn thy prayer is said;
And pillows oft thy cheek
When slumber's spell is on thee laid.

'Twill not be always thus, my boy,
For real life has other tasks—
What is that little hand to do!
Once more thy yearning mother asks.

Is it to guide the seaman's helm,
Or point the gun's mid flashing sword;
Or will it wield the student's pen,
And cleave thy thought in living word?

Will it be hard and worn with toil
Or pale with sickness' dread?
Oh! could thy mother's heart divine
What is that little hand to do?

But might her fervent prayer prevail,
Unhindered should that hand remain—
Clean from corruption's filthy touch,
And pure from every sinful stain.

Still ready for thy Master's work,
Thy servant of a willing mind,
More prompt to give than to receive,
And grasped in every a greeting kind.

And may another hand be found
To hold it in love's wedding grasp,
And may the hands which God then joins
Be one till death shall loosen their clasps.

THE CHILDREN AND THE STARS.

Twice night—but the Nursery chamber
Was still ablaze with light,
And pillows were tossed to and fro
In the heat of mimic fight.
The sound of little pattering feet
Made music across the floor,
But there came a sudden silence
Ere I reached the open door.

I saw my youngest darling
A dark-eyed pet of three,
Stood quietly by the window
Beholding his only gleam.
As he gazed in childish wonder
At the beautiful stars so bright,
That like a crown of jewels
Bespangled the brow of night.

There could be nothing lovelier
Than the diamond-studded skies,
Unless it were the wondering gleam
That shone in my baby's eyes;
And he called to his elder brother
In loving talk to know
What made the stars so golden
What made them sparkle so.

"Don't you know," said my little Willie,
"How mamma has often told
Of Heaven the beautiful city
And its streets all paved with gold?
'Tis the sky that shines from us,
And so I think—(don't you?)
That the stars are holes in God's carpet,
And the angels are peeping through it!"

"And then," he added softly,
"God sees us thru' the day,
But the angels watch at night-time
And hear us when we pray;
How good of God to tell them,
Such tender watch to keep!
Dear angels, look down thru' the stars
And guard us while we sleep!"

They came at my call, from the window,
With heads all lowly bent,
And in prayer to the loving Father
Their childish voices bent
I watched them until they slumbered
And prayed with my boys that night
That the angels would look thru' the stars
And guard them still morning light!

—ANNE CAROLINE in Illustrated Record.

TRUST.

Better trust all and be deceived,
And weep that trust and that deceiving,
Than doubt the heart that, if believed,
Had blessed thy life with true believing.
Oh, in this mocking world to fast
The doubting kind o'erlooks our youth!
Better be cheated to the last
Than lose the blessed hope of Truth.

"A mother's recommendation as a subject for discussion at a Western Teachers' Institute. Premature graves, or the necessary consequences of cramming children's brains, as practiced in the schools of that locality.

OUR BABIES.

D. A. GORTON, M. D.

We know the good wives and knowing mothers who read these lines will accuse us with indulging a cynical, fault-finding disposition, in animadverting upon the shameful way in which our little ones are managed. We shall be called, "if it were not for the name appended to them," "a jilted old bachelor," or a "caring old maid," delighted in nothing so much as finding fault with the conduct of his more favored brothers and sisters, who are lucky enough to be in a position when they can manage something, or somebody. Now we freely admit that it is easier to criticize old and established customs and usages than it is to suggest new and improved ones; and if any one doubts the superior quality of the satisfaction derived from taking stupid people to task for their miserable follies and foibles, over that derived from commending their goodness and virtues, he must indeed be a novice in life's experience, and have a new and rare bit of mental ecstasy in reserve, which, if he take our advice, he will lose no time to indulge and enjoy.

But an "old maid" need not have children to know how those who do have them, should bring them up; and an "old bachelor" may be perfectly childless, and yet be competent to study the mortality returns in cholera-infantum times, and to arrive at valid inductions as to the enormous rates of infant mortality which figure in them. These tables, which are published with such beautiful regularity, once a week, make every one, with a motherly feeling in her bosom, sick at heart, or would do so if they were ever read by such an one. No reflecting person, no person with a head, if he were alone a head, could read these weekly returns of the infant death-record without being forcibly impressed with the fact that the infant mortality question is the great question of the 19th century; greater, by incomparable odds than questions of public plunder, of back-pay, of bank suspensions, or of diversion of trust-funds from dependent widows and orphans; greater, indeed, than the questions of the infallibility of the Pope, or of the real presence in wine and water, of oldest communion, of infant baptism, or of any or all of those exceedingly weighty questions, which puzzled the pious brains of the members of the late Evangelical Alliance. We are writing from the serene and lofty standpoint of an old maid, who sees in this infant question much that involves the problem of the "coming man," and who is moved to speak in his behalf from a sense of justice to him, as well as towards his luckless sister, who so often perishes with him before arriving at an age when they can both take care of themselves.

Surely Providence, in committing these little, tender, helpless creatures to the hands of fathers and mothers, presumed that they would know enough to bring them up; to faithfully guard their helpless infancy from peril, against which infancy cannot protect itself. But the aloof, short-sight of man completely foiled his design. Providence evidently intended the little ways to grow up; but the selfish neglect of those into whose arms they are entrusted, manages to kill off one-tenth of them before their first month, three-tenths before their first year, and five-tenths before their fifth year! These figures, as horrifying as they are, have been much toned down within the last half century by the awakening of the public and private conscience on the subject, and the introduction of improved means of subsistence and general sanitary reforms. Indeed, there was a time, and but a few score years ago, in the very heart of civilization, when six-tenths of the Christian race died of disease before reaching their fifth year! And there were many then, as there are many now, who stood by with folded hands and solemn-choly faces and said, "It is well—his best. Poor things, they are better off up there—" into the great unknown! Perhaps they were and are; but if so, it is owing altogether to the goodness of the great God, and not to the exercise of any sagacity, wise or otherwise, of man's!

Men and Brethren! These things ought not to be—our children, or rather, perhaps we should say, your children have rights to life which it is incumbent upon us to respect. The fact that half your little ones die before reaching their fifth year, is culpability and gross neglect. These figures cannot lie; and they convict you of wanton, cruel neglect, if of nothing worse, in caring for those whom God, the Father, trustfully confides to your keeping. They show to what extent you abuse this trust, and to what extent, also, you fulfill it. If it really be impossible to properly care for the babies, why not expose them at birth, as the ancients did, and then put a speedy end to suffering we have not the space to provide against? We put the question in all seriousness. It is manifestly more just, more humane, more Christian to expose feeble and infirm infants at birth, and end to that way a life at the beginning, which we have not the genius to mature and preserve, than it is to subject it to weeks, months, or years of lingering, miserable death. If the alternative were presented to a man, or a woman of spirit, can there be any doubt which he would choose? The prayer of such an individual is, "Save us, oh God, from a lingering death." If death must come, let it be by a thunderbolt from Jupiter himself, say we!

Now there is no want of humanity among real Christians in caring for their babies; but there is a very great want of infant appreciation—a stupid lack of a knowledge of child life, its wants and necessities. It is a matter of astonishment to see with what nonchalance a young mother and rather will receive into their keeping a baby, a little helpless creature, as delicate, as downy, and as fragile as a snow flake, and never ask one word respecting its care, until it is ill, perhaps fatally so! If it were a kitten, or a "parrot-and," there would be no end to the intelligent questions that would be asked regarding its care;

If a flower plant, its whole history and habits would be gone into; its nature carefully and assiduously studied; and the wisest solicitude exhibited in its behalf, that it might not sicken and possibly die. But no questions are asked about the new baby; and we know from our professional experience, that nine-tenths of the intelligent mothers of Christendom are ignorant of even how the babe should be fed the first day or two of its earthly life, to say nothing about more important details of its care in other particulars! We say such ignorance is disgraceful in any girl or boy old enough to have a rag-baby, one jumping rope.

We have no patience with such senseless, silly, rather, wicked apathy on a subject so full of interest to the rising generation. The fault is particularly owing to errors of philosophy. Just as we write, a lady revealing the story of the death of the fairest flower of her flock—a little girl, but a few months old, but so beautiful that her name went abroad in all the neighborhood; and everybody said she was "too fair for earth." Just as if there was any place in this universe fairer than earth, and as if any life could be lost for her such a lovely earth as this ours! And the mother, too, was of the same opinion; and even now expresses the horrid sentiment—doubly horrid from the hypocrisy it involves, that she only resigned herself to the fate of her little one, "knowing that it was all for the best!" Better for whom? For the State? for the parents, I poor, but not for the State, surely; and as for the child itself, we wish to say, most emphatically, that nothing worse could possibly happen to it. The death of a child is a calamity to itself to the greatest possible consequence; and it is because it is so that we interest ourselves in its behalf, and plead for a life too young to plead for itself. Heaven help us to protect the innocents from the blight of a moral philosophy that would consign the rising generation to little coffins and shallow graves, and which compels its mothers to utter such shallow, hypocritical nonsense in its justification!

Do you ask how the great mortality among infants can be prevented? How the babies may be better cared for than they are? To reply to such questions in detail would require a volume. We have space in this place for two or three suggestions only.

And in the first place, the baby needs a suitable apartment to receive it. A place sweet, and clean, and warm; a room with a thorough supply of exposure; that the atmosphere of it may be kept with a shower of sunshine every day, and thus hourly reinfected, renewed and revitalized. Heat, light, and air is the principal food of an infant for its first few days; and in most instances it is almost wholly deprived of the last two elements. Indeed, it is now well-known that the adult receives more nutrition from the atmosphere than he does from the dining room. Is it any wonder, then, that our babies, thus deprived, prematurely sicken, in view also of the fact that they are even more dependent upon the atmosphere for sustenance than is an adult? Can we wonder at their early cries and colics? Would we not find greater fault, and make more trouble, and fuss than do they, if we were thus vitally deprived of our means of life and substance? It is high time that we awakened to the full realization of our vital dependence upon the solar ray. It brings to our bodies and brains the very life-essence of Deity himself.

Secondly, mothers should nurse their own babies; give them the food nature has expressly provided for them, warm and fresh from the living fountain. To be sure, 'tis not fashionable to do so, but we submit that it is far more elegant. But aside from the supreme elegance, grandeur of the act, it is a duty which every mother, worthy the name of mother, owes to her child. It will not do to trust to substitutes, which sometimes enable strong children to struggle through childhood. There can be no adequate substitute for mother's milk. The truth of the assertion is attested in the number and variety of infant goods which are flooding the drug-shops and grocery stores all over the land. New substitutes for the natural article are continually appearing and disappearing, each testifying in fact, as well as in words, of the worthlessness of the last one. Just look at the partial array of these pretences—these ruses upon the babies! Here is rank cow's milk, the milk of goats, and mare's milk. This last article is much applauded, as it is said to be very like woman's milk; and then 'tis also a *Parisian* article. Then comes the preparation of *Gastrin*. There is *Imperial*, *Gastrum*, with directions in French; food for infants, superior to any previous substitute for mother's milk—superior, in fact, to the article substituted; *Hard's* food, a later article for babies, with a great many recommendations, the chief and most doubtful one being that the Prince of Wales was brought up upon it; the other's being sufficiently characterized in the name of the article—*Hard's* food—from the name of the inventor, a worthy man by the name of *Hard*. Following these, we have brand-food, called so "hard-baked" ground; boiled wheaten flour, fine, and unboiled; ground rice, etc., etc. Really, these substitutes are so numerous that one tires with the enumeration. They are all frauds upon early infancy, having but one redeeming feature, namely, an exhaustless capability for increasing doctors' bills.

We cannot too forcibly urge upon mother's the importance of their nursing their own babies. Unless your children have passed the orifices of their first four teeth, eschew the use of these substitutes for nature's food for infants, as you would poison. In nine cases out of ten they will prove a chest and a snare, adding largely to the numberless throng of little saints, whom our wise doctors have falsely taught to be better than they should die than to live. Remember, that for early infancy, poor mother's milk is better than good farm-house food.

PRESENCE OF MIND.

There is one grand quality signally neglected, almost never taught, nowhere prized at its true value, seldom preached upon, yet certain to avert many a disaster and deliver from many a peril. Were parents and teachers accustomed to show their young ones how self-command in some unexpected emergency, as in an outbreak of fire at midnight, would not only save themselves but rescue a whole company of friends or fellow pupils, where the various means of escape shown, and the necessity of instant decision enforced, many a valuable life (to say nothing of property) would be saved. So intelligent a commodity as ours, ought not, in this advanced period of thought, to be so easily overwhelmed by calamity, when one woman's prompt and resolute aid would stop the stream at its fountain head. If it is replied, as it will be, that some persons are born without this gift; my answer is that Peter the Great was born without the capacity to endure the sea, Frederick Scodpy with a perfect terror at battle, Paley with indisposition to rise early, Judge Story with a disgust at law books, Washington with impetuous passion—yet all conquered their natural weakness, and so can we if we feel the necessity.

From various quarters facts have come to me of every sort, illustrating in women and children even, the power of overcoming panic and turning apparent disaster into an occasional of really sublime virtues.

Instances there are, as we all know, of mothers rushing in frantic fear from a burning dwelling, then remembering the dear baby they left asleep in its little crib, and flying back through the open passage, to perish vainly in a whirl of mad flames. At the first alarm it would have been easy enough to have seized the child and secured its safety with her own, because the air currents were then cut off; after her own mad hand had given the fire free passage through the house, her own sacrifice came too late to be of any service.

Another mother I know, in this State, awakened from profound sleep by the fierce light in her room, forbidding her husband from opening door or window till she had made a string of sheets, and let her child down to the ground; then she followed herself without any serious injury from the stifled flames, and not even a severe frost, for she had taught herself self-control, and so she was always ready to use the best means and all the means God and Nature had put in her hands.

The custom used to be universal in Ireland; of storing powder in the garret of every grand country house. The great-grandmother of the famous Maria Edgeworth, had sent a stupid servant girl to procure something in the garret, when the maid came back and was asked for her candle, which she had carried without any candle-stick, she answered "It was sticking in the cask of black dirt up there. Not a moment was to be lost." Mrs. Edgeworth saw upstairs, dashed the candle upon the roof, and fell herself, overcome by nervous excitement. She had saved the house and all within its walls.

That capital old story-book, Sandford and Merton, tells a story founded on fact, of a party of girls pursued by a wild bull in an open field. The oldest female turned full on the mad beast, and faced him. Mr. Bull passed a moment in surprise. Then he renewed his advance, and the noble girl made the best retreat she could, facing him still, and cheering her little companions to hurry away. Her calmness seems to have been respected by the great beast, for he only drove her steadily out of his domain, giving all her party and herself time to leap the fence without harm.

A far better story I remember of an English family taking tea in the garden back of their bungalow, one sultry eve, in Upper India. Suddenly a grand Bengal tiger made one of the company. The gentlemen, even an army officer, seemed paralyzed with fear. One woman alone was master of the occasion. She sprang open a large sun-umbrella right in the face of the beast, who hesitated so unusual a reception by leaping over the green hedge and making for the thicket, where he had been hiding. Would not this same genius at improvising means have made this lady perfectly invaluable in shipwreck, in midnight conflagration, in burglar's attack, in epidemic disease, in the field hospital of an army, in the panic of a crowded assembly, in railroad collision, in thousands of lesser disasters always aggravated by lack of self-control?

When only thirteen, Sir Astley Cooper showed this rare gift. A little playmate had been crushed by a cart-wheel. He was bleeding to death. There was not half time enough to get a surgeon. Astley brought out his silk handkerchief—tied it above the wound—stopped the bleeding effectually, till the surgeon could take the child in charge, whom Astley had really saved. And this event was the principal one to determine that choice of his profession, which made him such a signal blessing to mankind.

The name of Eli Broom ought to have some permanent record. A railroad bridge had just been destroyed by fire. An express train was approaching. Eli was determined to hazard his life to save others. He ran to meet the advancing engine, spread his little arms as widely as possible, and succeeded in gaining the engineer's attention—who stopped the train in time to prevent another disaster like that at Norwalk.

The best wife I have kept to the last, Manning, a West India merchant, was sitting on a log on the shore of Jamaica, while his company men were bathing. Suddenly he saw a shark making full upon them. Had he cried "shark," one or both would have been overcome by fear. "Follows, look here," he cried, "you swim miserably. Here's the best heater in all Jamaica for the one who comes in first. Now do your best." So he kept cheering and stimulating, now one, now the other. When he saw Farnum relaxing his stroke, he reproached him for giving up so easily, when he was sure to win if he only

perused. At last he rushed into the water himself, his red handkerchief streaming from the end of a stick, to divert the man eater. When the shark was safe upon the sand, and was told the peril he fell flat as a log, proving how he would have been out ahead—By Rev. Mr. Holland in Wood's Household Magazine

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Miscellany.

ONE OF LINCOLN'S STORIES.

There was once in Mr. Lincoln's company when a serious discussion arose. He himself looked very grave, and made no observation until all the others had finished what they had to say. Then, with a twinkle of the eye, he remarked that he preferred the Episcopals to every other sect, because they are equally indifferent to a man's religion and his politics.

It happened that at one time a blockade-runner came out of Charleston Harbor was captured, and on board of her were found certain dispatches from the Spanish consul in that city for his own Government. These dispatches were very improperly opened by the captor, and then forwarded to the State Department at Washington. Mr. Seward, immediately after he received them, sent for the Spanish minister, Mr. Tassara, and with expressions of great regret that the envelopes had been tampered with, offered him the dispatches. The minister, highly indignant, declined to receive them. Then Mr. Seward proposed to forward them to their destination through the medium of our own agents. This proposition was equally unacceptable, and the Secretary of State was at a loss what to do. He shortly afterward explained the matter to the President, whom he reminded of a "little story." "When I lived in Indiana," he said, "there resided very near us an old negro known as 'Uncle Josh.' He was a very pious, darky, but was so infirm that it was impossible for him to go to the neighboring school-house to listen to any itinerant preacher who might happen to discourse there on a Sunday. However, in order to make up as far as possible for his own inability to attend, he always compelled his grandchildren to go; and they were required not only to recollect the text, but also to be able to give the old man some account of the sermon. On one occasion a Methodist came and preached. He told the congregation that there were two kinds of people in this world, Methodists and Baptists; that the Methodists followed a road that led to heaven, and the Baptists one that led to hell. The next Sunday there presented himself a hard-shell Baptist who had heard about the sermon of his Methodist brother. He told his auditors that it was true there were but two kinds of people in the world, Methodists and Baptists, and that they followed different roads; but that it was the Baptist road that led to heaven, and the Methodist road that led to hell. When old Uncle Josh heard this he scratched his wool, and said: 'Each one says that there are only two roads, and that his own leads to heaven, and the other to hell. Well, this is a bigger will go across lots!—Seward, you will have to go across lots!'"—From *Maury's*, B. T. Tilden's "Memories of Missy Men," in *Bayard's Magazine* for December.

THE HORSE RACE.

WHICH WILL IT END?

There is a question not easily answered in connection with the continued defiance of rules and justice on the part of judges. Without impartiality in the judges' stand, it will be impossible to facilitate the publication of the trotting turf with any effect. The formation of the National Association promised to eradicate the evils which cling to the sport like barnacles, to retard progress. It has accomplished a vast deal of good, having grappled with the most deep rooted corruptions, and won a brilliant victory in the face of a bitter and fanatical opposition. The association, however, placed too much faith in human nature, and failed to recognize the necessity of making judges accountable for their actions. Rules are prescribed for their guidance, but there are no punishments devised for them if they use their positions for other motives than to subserve the interests of the trotting turf. The judges' stand has proved a stumbling block in the path of progress, and the maloperation of recent questionable proceedings justifies the hope that the matter will be taken up and properly dealt with at the next Convention. The rules enforced against trespassing owners and drivers have done wonders for something more than this is required to place the trotting turf on a satisfactory and solid foundation. The judges are clothed with so much authority that their power for good or evil is very great. While admitting that there is a vast preponderance of good, there is too much of evil to suit the honest trofian. Public opinion is called upon to condemn the actions of judges much too frequently, and this tends to degrade them in the estimation of the public, and renders the office of judge a coveted position by knaves. Last month we were compelled to publish a most glaring case of injustice at Prospect Park, and following hard upon the case Daniels who came to serve the public at the Standard Park meeting, placed themselves in the same unfavorable position during the progress of the 2½ mile race. They showed a decidedly partiality to the horse Chalety Green, and there was a well founded suspicion that they had been "fixed." The sixth heat of the race was won fairly by Ed. White, but, to the astonishment of the spectators, the heat was given to Green, who won the next heat and the race. This was bad enough in itself, but they were not content, and brought their corrupt and incompetent administration to an end awarding money to the third horse, in defiance of both rule and precedent. Messrs. Hamilton, Briggs and Wilson have thus immortalized themselves, and when they again venture into the stand their proceedings will be well recalled.

Do not these irregularities call for the prompt attention of the associated owners? Are we to inflict punishment on the drivers and allow the judges, on whom so much depends, to defy the laws and outrange common sense? When will it end? Is it an important question just now, which the National Association, we trust, will fully answer in convention, for we are weary of trying the judges. Means must be provided to protect the public from those to whom the public look for protection in vain. They should be punished the same as other malefactors, and when they prove recalcitrant to their punishment, let the stamp of condemnation be sufficiently laid upon them, so that all who run may read; this man is corrupt, therefore avoid him.—*The American Trofian*.

"Cannot something be done to prevent young ladies from being harassed on our streets at night?" asks a Cincinnati paper. There can, just have the girl's mother take her into her little bed about eight o'clock in the evening and lock the door on her.

A CHILD BRIDE.

[We copy from the *Chambers Leader* (mag.) the following sad picture, showing how the *Love of Money* can change parental affection, and thus trample down the *Laws of God and Nature* too.—Ed. F.]

While we were in the court-house in Lion last week, listening to the testimony in the case of the State vs. Lade, for abandoning his wife and children, a little girl was introduced as a witness. In manner and general appearance she was simply a child, and we really thought ought, on account of her youth, have been spared the ordeal to which witnesses in a court of justice are generally subjected. The first question asked by the attorney was:

"Are you a married lady?"

Our astonishment can be better imagined than described, when she promptly replied:

"Yes, sir."

"How long have you been married?" asked the lawyer.

"About two years."

"And how old are you now?"

"I will be thirteen in December."

In reply to other questions, she stated that she and her husband had not lived together since their marriage, and that she was induced to marry through the threats of her father, who had some mercenary object in view.

After the adjournment of the court we sought and obtained an interview with the young lady, and her mother in order to ascertain the particulars of this extraordinary marriage. The maiden name of this child-bride was Christina Lade. She was born in this county December 3, 1860, and was married to Michael Frankovich (age 19), January 1, 1872, being at the time of her marriage only a few days over eleven years of age. She stated to us that her father, by threats of punishment in case of refusal, compelled her to consent to this untimely union, bidding her under severe penalties to state to the justice that she was over fourteen years old.

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VOLUME XL. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, DECEMBER 18, 1873. NUMBER 11.

ROBERT BURNS.

The Lecture of Rev. Mr. Serimaegson on Tuesday Eve last, was one of the most interesting Historical Lectures ever delivered in our City, and although it was a very unpleasant evening, we were glad to see a large and Intellectual audience, one that must have pleased the orator, for it was an Oration and a very eloquent one too.

We hope this Lecture may be given in the other Cities of our State, for very few persons, even educated quakers have little knowledge of the true great Robt. Burns.

ROBERT BURNS.



Agriculture.

BE CONSIDERATE

Oh! give how simple things
Of cheer the heart of others,
We'd frequent find our spirit-ings
Briefest of bliss, my brothers.

A cheerful smile, a pleasant word,
Which we can always give,
Perchance some drooping soul has stirred
With strength to love and live.

An act may be by us unweird,
But blessed by where we give,
The song which was unending song,
May strike another's ear.

If we but give our "wallow's note,"
To aid the general weal,
To help along the cause of right,
How angel-like we feel.

COUNTRY LIFE.

The man who loves the country and lives in it, must know more than the dwellers in cities and towns. His life is more solitary and self-contained. Objects and excitements are not constantly brought to his attention by others. He must work out his own ideas and interests. How and where is he to find these objects of interest which are necessary to keep his mind in a state of healthy activity and enjoyment? To prove that these objects are to be found in the country, I would call attention to the fact that almost every President or man of distinction held in reverence by the American people retired to their farms after they had closed the labor of active life. They found happiness and contentment in the cultivation of the soil and in the study of nature. Look at the career of Washington, John Adams, Jefferson, Madison, and Webster, and see how deeply they enjoyed, after all their experience of the honors conferred upon them, the retirement to seclusion in which they found subject to gratify their tastes and employ their minds. If such men could be content with farm life, we should also be able to find happiness under the same circumstances. We do not need great intellects to see and feel what they saw and felt.

Farmers live in God's museum of wonders, and all that is needed on their part is to open their eyes and see, and to open and expand their minds and think. Our happiness does not depend upon the way the world looks upon us; and upon the way we look upon the world in its social and material aspect. While we apparently live in the same world and look upon the same objects, yet, in truth, all these things bear different aspects to each man according to his knowledge and his tastes. One sees all around beauty, design and usefulness, where to the eye of another all is unmeaning and unsatisfactory. In these respects the world in which men live differs quite as much as the houses and homes in which they spend their lives, and this difference is made by these varying degrees of intelligence. We are making progress towards higher and better standards of taste and education. All men feel an interest in things and subjects which they understand. When a man says he has no taste for country life he says, in fact, that he does not know about the great truth, beauties and wonders of nature.—*Horatio Seymour.*

AGRICULTURE AMONG THE ROMANS.

A sketch of the system of Agriculture among the early Romans would be a very profitable rule to be pursued now by scores of Farmers, who, we regret to think do not carry out so good a system as did the early Romans:

"To the time of Cato the Censor, the author of *The Husbandry of the Ancients*, observes, though the operations of Agriculture were generally performed by servants, yet the great men among the Romans continued to give particular attention to it, studied its improvement, and were very careful and exact in the management of all their country affairs. This appears from the directions given them by this most attentive farmer. Those great men had both houses in town, and villas in the country; and, as they resided frequently in town, the management of their country affairs was committed to a bailiff or overseer. Now their attention to the culture of their lands and to every other branch of husbandry, appears, from the directions given them how to behave upon their arrival from the city at their villas. "After the landlord," says Cato, "has come to the villa, and performed his devotions, he ought that very day, if possible, to go through his farm; if not that day, at least the next. When he has considered in what manner his fields should be cultivated, what work should be done, and what not; next day he ought to call the bailiff, and enquire what of the work is done, and what remains; whether the laboring is far enough advanced for the season; and whether the things that remain might have been finished, and what is done about the vine, corn and all other things. When he has made himself acquainted with all these, he ought to take an account of the workmen and working days. If the sufficiency of work does not appear, the bailiff will say that he was very diligent, but that the servants were not well; that there was violent storms, and the land the slaves had run away; and that they were employed in some public work. When he has given these and many other excuses, call him again to the account of the work and the workmen. When there have been storms, inquire for

how many days, and consider what work might be done in rain; casks ought to be washed and mended, the vills cleaned, corn carried away, dung carried out, a dunghill made, seed cleaned, old ropes mended, new ones made, and the servants' clothes mended. On holidays, old ditches may have been scoured, a highway repaired, briars cut, the garden digged, meadows cleaned from weeds, twigs bound up, thorns pulled, far (bread-corn, maise) pounded, all things made clean. When the servants have been sick, the ordinary quantity of meal ought not to have been given them. When he is well satisfied in all these things, and has given orders that the work that remains be finished, he should inspect the bailiff's account, his account of money, corn, fodder, wine, oil, what has been sold, what exacted, what remains, what of this may be sold, whether there is good security for what is owing. He should inspect the things that remain, buy what is wanting for the year, and let out what is necessary to be employed in this manner. He should give orders concerning the works he would have executed, and the things he is inclined to let out, and leave his orders in writing. He should inspect his flocks, make a sale, sell the superfluous oil, wine, and corn; if they are giving a proper price, sell the old oxen, and refuse of the cattle and sheep, wool, hides, the old carts, old iron tools, and old diseased slaves. Whatever is superfluous he ought to sell; a farmer should be a seller, not a buyer."

BREEDING HORSES FOR FARM WORK.

A writer in the London *Mark Lane Express*, in discussing the points to be considered in breeding horses for farm labor, says: The head should be comely, but not so small as that of the racing horse, as it enables the animal to throw more weight into the collar. He should be broad and flat in the forehead, have neat, well-set-on ears, prominent-placed eyes, thin nostrils, large nostrils, neat neck, and be deep toward the chest; not very high in the withers, with upright shoulders, broad forelegs, broad, flat bone below the knee, rather short pasterns, good round feet not too flat or too upright, plenty of hoof, clean legs, straight back, with plenty of loins, and ribs well arched. He should be long on the back rib and long in the quarter; the haunch should be strong, the hip well down, the hock joint broad; and for a breeder, no animal should be used that is not free from curb, bog or bone spavin, splint or all bones. Horses with well-developed muscles and good constitution are easily kept, and can endure great fatigue.

HORSE SHOING.

Never touch the bars, frog, sole or outer surface with a knife, or rasp. Shoe with light, thin shoes, that allow the sole, bars and frog to be brought in contact with the ground, and thus bear their due proportion of the horse's weight. Use small nails, and not over five of them. Never allow the points to be driven high up the wall of the hoof. For ordinary service in the country during the summer months, use only tips which protect the toe, but leave the entire ground surface of the foot unprotected.—*Murray.*

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409 & 411 Davis St., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsmen & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip, Parsnip, Carrot, Celery, Peas, Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPROVED

CHILI CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass, Timothy, or Herd's Grass, Orchard Grass, Rye Grass, and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds,

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street, San Francisco.

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE Insurance Agency.

No. 314 California Street,

SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amesbury Insurance Company,—Glencoe, Ohio, \$1,114,000
Atlantic and Pacific Insurance Company,—Chicago, Ill., 250,000
Girard Insurance Company,—Philadelphia, Penn., 655,000
Kaiser Insurance Company,—Leavenworth, Kansas, 259,100
National Life Insurance Company, of U. S. A.,—Washington, D. C., 1,235,000
National Life Insurance Association,—New Orleans, La., 1,478,000
New Orleans Mutual Insurance Association,—St. Louis, Mo., 1,235,000
North Missouri Insurance Company,—St. Louis, Mo., 285,000
Penn Insurance Company,—Philadelphia, Pa., 285,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn., 626,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS.

No. 314 California St., San Francisco, Cal.

Seminary Park

POULTRY YARDS,

(one mile from Melrose Station, O. P. & N. R.)

ALAMEDA CO., CAL.

C. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly raised for Breeding, at the following low rates:

	Per Pair.	Per Trio.
Light Brahmas.....	\$10.00	\$15.00
Dark do.....	12.00	18.00
Buff do.....	12.00	18.00
White do.....	12.00	18.00
Black do.....	12.00	18.00
Partridge do.....	18.00	25.00
Houdan and White Leghorn.....	10.00	15.00

ALSO

Silver and Golden Spangled Hamburg, Rose and Aylesbury Ducks and Crested Geese. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$5.00 per Dozen, Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Memphis Bronze Turkey. Bred from First Prize Imported Stock weighing 64 pounds. Two Pairs. Will spare Cocks a \$20.00, Hens at \$15.00, Trice at \$45.00.

Parties wishing birds for Exhibition, will do well to correspond with me and secure also special rates. Birds Imported on Commission. Please send for Circular and Price List.

Address P. O. Box 1874 San Francisco, Cal.

Please state where you saw this Advertisement. 40.1

Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant ALFALFA can have Samples of the different kinds sent to them with prices of each, and full direction for

SOIL, CULTURE,

TIME OF PLANTING 'CURING, &c., &c.

with valuable data, by sending to the

Farmer Office,
820 Clay St.,
SAN FRANCISCO.

THE FAMOUS SEED WHEAT.

As there has been numerous call at our Office to see the famous SEED WHEAT, known as the "PAID OF BUTTE," and now advertised in our Columns by the Originator of this remarkable Wheat, we have obtained the second parcel, so that all who desire to secure the very best and choicest Wheat ever shown in California, can see the same at the

CALIFORNIA FARMER OFFICE,
310 Clay Street, up stairs.

BOUND VOLUMES OF FARMER

We are now prepared to offer the BACK VOLUMES of the CALIFORNIA FARMER in all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purpose of Libraries, etc.

Apply at the office. WARE & Co.

OIL CAKE MEAL

THE BEST FEED KNOWN

FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OUR OIL CAKE MEAL, which we are now manufacturing in large quantities. It is a pure and healthy food, and is especially adapted for live stock. It is made from the best quality of cotton seed, and is free from all impurities. It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of hogs. It is a pure and healthy food, and is especially adapted for live stock. It is made from the best quality of cotton seed, and is free from all impurities. It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of hogs.

FOR HOGS: It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of hogs. It is a pure and healthy food, and is especially adapted for live stock. It is made from the best quality of cotton seed, and is free from all impurities. It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of hogs.

FOR SHEEP: It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of sheep. It is a pure and healthy food, and is especially adapted for live stock. It is made from the best quality of cotton seed, and is free from all impurities. It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of sheep.

At present price \$3.00 per ton. It is the cheapest and best food for live stock. It is a pure and healthy food, and is especially adapted for live stock. It is made from the best quality of cotton seed, and is free from all impurities. It is a valuable food for all kinds of live stock, and is especially adapted for the fattening of hogs.

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THE CALIFORNIA FARMER.

SAN FRANCISCO.

THURSDAY EVENING, DEC. 18, 1873.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

330 Clay Street—Marble Buildings—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER are always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Minerals, and specimens to Natural History innumerable, are constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiousities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, are TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first rate. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. Advertisers before the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

S. M. PETERGILL & Co., 10 State Street Boston 37 Park Row, New York, and 1711 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall bring their attention to such articles in each issue of our journal, to which we would direct their special attention.

OUR CHRISTMAS BEST AND PAPER.

We have always enjoyed a period of *Best Christmas Wishes*, not publishing, but have had a *Christmas Pie* in advance in the shape of a *Pie* of our *Form*, which delayed issue of the present number.

In addition, illness of our aids added to our perplexities.

Our Patrons will receive this issue near *Christmas* and hoping their *Pie* will be more acceptable and palatable than ours, we shall greet them with our best wishes, always thankful for what we receive.

Our "Christmas" Story will be found very interesting, and it would be a glorious thing if the doctrine there advanced could be carried out, what a vast amount of Good could be effected.

Our *European Letter* is worthy of a careful reading, as it reports the condition of agricultural work in all its phases. Summer Fallow, Rotation of Crops, high manuring, farm labor, laborers wages, land leases, &c., &c.

We have received "Clara Atherton," No. 6 which will appear in our next.

Letters of Inquiry about California, we are receiving by the score, from intelligent parties desiring to come and settle with us.

CATALOGUES.

We have received the New Catalogue of John Rock, of San Jose, Nurseryman, his Catalogue embraces a very fine assortment of Fruit and Ornamental trees, Roses, Shrubs, &c.

National Oiler Reports.

We have the last numbers of this valuable Publication, issued at Jacksonville, Ill., by Chas. W. Green, Esq., Sec. National Agricultural Congress, in the Manager.

THE BOSTON TEA PARTY.

The memorable event of throwing the Tea overboard in Boston Harbor occurred *One Hundred years ago, Dec. 16th.*

This event makes *Three* Memorable Days near to each other this month.

The Boston Tea Party, December 16,
Landing of the Pilgrims, " " 22,
Birth of the Savior, " " 25,

all great events, and all tending to the Liberty and Emancipation of the world from the slavery of the Body and Soul.

May these days always be remembered, while the last should be hailed as the Brightest day in the Calendar of all months and days.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us *Free* at all months or weeks of the year—this is our system, those who are in want should always call when in the city we shall be glad to send them to our Reading Room, always open and free to all.

THE SEASON, PROSPECTS, &C.

Well may our Farmers and Cultivators of the Soil rejoice, for their prospects are all bright for the coming season, and they can now with grateful hearts to the "Giver of all Good" enter into the Festival Season of Christmas and New Year with a contented mind and generous hearts.

The present autumn has been most propitious for California, the abundant Rains have fallen upon all portions of the State, no dry portions this year, all are abundantly supplied, and all seem thankful and very hopeful.

The amount planted this year to Grain will far exceed all former years, by nearly or quite fifty per cent. not only will our Grain Crop be increased but all other products will be greatly enlarged in their extent. Cotton, Wheat, Tobacco, Hops, Alfalfa, all these will be largely cultivated, while Fruit Culture will receive a better attention, and Oranges, Lemons, Figs, Olives, Pomegranates and Nuts of all kinds will be extensively planted, and the Fruits of other kinds, will be only of the choicest varieties, common Apples, Peaches, Plums and Cherries will be graded to better sorts, and the better extensively planted.

The Vineyard will have special care, years of experience, has tested the best kinds for wine, and for the table, while the demand for export of our Fruits has learned our Growers that certain kinds pay well, and these will only be grown.

The great success of our New Dried Fruits, will stimulate to a large production this coming year, the San Lorenzo Dried Fruits have attained a fame that makes that business a great success, and another year the works will be enlarged, and large exports of these Fruits will be the result.

The Exhibition in our markets now of California Oranges, Lemons, Figs, and their excellence over all others, the superiority of all the Nuts grown here, and of our Raisins, this gives assurance of a certain sale always at a fair remunerative price for these.

California Wines are being better known abroad and better appreciated. California Wines are now sent to Europe, with Credit and with Profit, and such Wines as those of "Landsberger & Co., "Silversale," "Grosinger," "Gark," "Orleans Hill," "Lake Vineyard," Sonoma," "Kobler Frohling," "Snyder," "Eberhardt & Lackman," are all known and largely sold abroad as well as at home.

Our Wool Interest takes a prominent place in the interests of the State, and counts in Millions in value annually, and although of late it has been much depressed, it will soon show renewed life and prosperity.

The financial prosperity of our State is indebted to our Agricultural Interests, the Crops of 1873, our Grain, our Wool, our Wine, our Cotton, our Fruits, Hops, Nuts, Seeds and other products have far exceeded the anticipated amount at the opening of the year, and these crops have saved our State from the Convolutions and Pains that have rent other portions of the business world.

California is sound and solid as a State, and if our Legislators will guard these great interests California will soon take rank in point of influence and wealth.

THE GREAT IRRIGATION.

However widely man may devise and plan, and however great may be the science and skill displayed in any great system of Irrigation for our waste lands, valuable as they would prove in a season of drought, how futile, how climatic and imperfect they appear when compared with the great and glorious spread of the waters over our entire State which has just now so beautifully blessed the whole land.

We can now see how perfect the Machinery of Nature, how completely the work has been done, and done at the appropriate time, there are no spots, no skips, but one wide universal irrigation making all the waste places glad.

This universal blessing will put a damper upon all the Irrigation Ditches for this year at least, and prompt some to sell out, for nature can do better work than mortals.

PILOBIN FATHER'S DAY.

Next Monday the 22d of December, will be the Anniversary of the Landing of the Pilgrims on the bleak shores at Plymouth in 1620.

This Blessed day is a day that will ever be memorable in the History of our country, but a day we fear is fast passing from the minds of the present generation.

What a change has come over this vast continent in these two hundred and fifty years, and how few of the children of to-day can give a history of that event, or know even its first outlines, thus time obliterated the *Old Land marks*—it should not be so.

OUR LEGISLATURE.

There cannot be much efficient work done in our Legislature until the great Senatorial contest is over, this will probably finish this week by the election of Gov. Booth, then come the Holidays, and a respite till after New Year, then the real work will begin, and we have no doubt but good earnest work will be done—work that shall greatly advance the general good.

We have this year more of the working element, more Legislators that are thinking of the People's true interests, and we feel assured they will work earnestly to that end.

RICH JAPANESE GOODS.

One of the Richest and Best Collections of Japanese Goods of all kinds can now be found at the Store of HANLITZ & Co., on Sacramento street.

Some of the finest and most superb Japanese Objects, either mounted, with other choice "Gem" of Art are in this collection—here is a place for the purchase of rich presents for the Holidays. All that is curious and rare can be found here at very moderate rates.

CHRISTMAS DAY.

"From the leaders wood we have gathered the pine,
And the hawthorn branch and the winter pine,
And the laurel bough from its frozen rod,
To wreath in beauty the House of God."

Before our next issue will reach our Patrons, this Blessed Happy Day will have been enjoyed by nearly Forty Millions of our people in this our Land of Freedom.

There is no day of the year when all the best and purest emotions of the human soul are called into action so fully as on this Christmas Festival, from the shy infant to hoary age, every heart is awakened to new and joyous associations.

The Christmas Bells, that gather Christians around the *Altar of Worship*, in their Temples, the "Christmas Tree" around the "Home Altar," the coming of "Santa Claus" to the little children, of whom the Blessed Saviour said, "suffer such to come to me, for they are of Heaven," these scenes and associations are all rich in means of Happiness to Old and Young, and happy are they who blessed with myriads and noble dispositions are enabled to scatter happiness broadcast among those who are near and dear to them.

"It is more Blessed to give than to receive," and thrice blessed are those who make human hearts joyous at these happy seasons, and sad are those who having generous and loving souls are by the vicissitudes and changes of fortune prevented from fulfilling the desires of their own hearts.

Let it be remembered that Christmas lasts Twelve Days, so that those who may not have completed their wishes on the first day have the twelve days to carry on their best wishes.

The long storm that has shadowed our State thus far, and usually makes many disappointments will prove a dark blessing to all, and though outwardly dark it is but the "Cloud with a silver lining," and soon all will clear and give us Brightness, Joy and Prosperity.

It is indeed a joyous sight now to pass through our streets and see the great preparation everywhere, the hurrying to and fro, every store full of purchasers, as the testimonials of Friendship, Love and Affection, to bind more closely Parents and Children, Kindred and Friends.

Blessed is the Day, and blessed are all its associations, for it is the BIRTH DAY OF THE SAVIOUR OR MESSIAH, a day that will be sacredly and lovingly remembered till time shall be no more.

The "Christmas Gaze" waves everywhere as an Emblem of the Day, may all hearts be full of enjoyment, with

"A thought of Heaven! A trust in God,"
For this Day is typified with the living green of the Saviour's Love.

"For thus the Fir tree and pine shall wave,
A leafy wing on the holy dove;
Round the sainted altar the wreath shall fall,
And the Holy Cross on the Hallowed Wall."

"And we strew thy path O Saviour! now,
With the living green and deathless bough."

We hope the coming yearmas will find all our Patrons in the enjoyment of an abundance of this world's goods, and with happy and prosperous "Homes" We Greet them with our Best Wishes.

LIBERALITY AND GENEROSITY.

The Holiday Season is a period of time when the best feelings of the heart are awakened, and every impulse of a generous and noble soul is to make others Happy.

Such feelings should be cherished, such impulses obeyed and gratified, even at a sacrifice.

"The Moral devilish liberal things, and by liberal things they shall stand."

Never be sorry for any generous thing that you ever did, even if it was betrayed. Never be sorry that you were magnanimous, if the man was mean afterwards. Never be sorry that you gave. It was right for you to give, even if you were imposed upon. You cannot afford to keep on the safe side by being mean.

OUR CHRISTMAS MARKETS.

Great preparations are being made among all classes of our market men to have the finest display ever yet made in California.

Our Fruit markets is splendid, Apples, Peaches, Grapes, Figs, Strawberries, Oranges, Lemons, and Nuts of all kinds make our desert fruits complete.

In Beef, Mutton, and other meats we shall excel the world, in the Dairy and Poultry, no market can surpass ours, and in Fruits and Vegetables no market can begin to compare with ours, while the choicest kinds of Fish make our market displays complete.

Well may Californians boast of our markets for we do indeed surpass the world, not only at Christmas, but all seasons of the year.

THE NEW LINE STEAMERS TO AUSTRALIA.

By the exertions of J. G. Merrill, Esq., who has recently returned from the East and Europe, a New Line of Steamers has been established which will open up trade with the Ports with which it will connect.

The First Steamer, the MacGregor will leave San Francisco, Jan. 31, connecting with Honolulu, Pigeon Island, Auckland, New Zealand, Sydney and Brisbane.

Great credit is due to Mr. Merrill for this New Line which will add much to the trade of our City.

Messrs. J. G. Merrill & Co., are the Agents of the New Line.

MACONDRAY & CO'S, CHINA LINE.

The New Line of Steamships inaugurated by the Enterprise of the House of Macondray & Co., will prove of great value to our State.

This Line will be known as the Trans-Pacific Steamship Co., Limited, and will very greatly aid in the sending abroad our produce and thus add to the wealth of our State, all such Enterprises are Public Benefactions.

AGRICULTURAL ITEMS.

The success of the Fruit Preserving Company at San Lorenzo, has been so great as to require enlargement of their works to double the former capacity, so excellent has their Fruit proved, and so great the demand that the enlargement of their factory is a necessity.

The superiority of Summer Fallow land was particularly tested by O. K. K. of Marysville, the past season. Mr. R. planted fifteen acres, using also sacks of Green Wheat, the product was 271 sacks, equal to 30 for 1. This proves the value of this system over all others.

San Bernardino is waking up to a judicious system of Agriculture. The *Guardian*, one of our best Exchanges, notes all the practical good being done, and in a late number, says: that in their County Alfalfa has been cut six or seven times, producing 30 to 40 tons to the acre. This is beyond all former crops—will the *Guardian* please give more particulars with the Grower's system.

The *Guardian* also says that 75,000 Gallons of Brandy was made in that County this year.

Los Angeles Grangers and Lemons, with Nuts and Raisins are now coming from thence to our markets, and of superior quality and in liberal quantities too, the great abundance of Rain fallen in the Southern Counties this year will give them a great advantage over all former years, so that by their increased cultivation in the 1874, we may look for a wonderful harvest down South and splendid crops of all kinds.

Tulare County boasts of the Castor Bean growing wild along the roadsides, and growing so large as to almost answer for shade trees—some plants growing ten to twenty feet high, and handsome in form. This is better than *Canada Thistles*.

The Central Pacific Railroad are making preparation at all points for carrying the next year's crops.

The Santa Railroad to Oakland, via Martinez, will be finished. The Company is now bringing lumber in great quantities to Oakland as preparatory to improvements, and the building two new Steamers at the Point.

The "Central" will build new Freight Barges for transporting across both ways, and what they do they will do well.

GENERAL NEWS.

The State Capital which was first estimated to cost about Half a Million Dollars, has already cost five times that amount, and before the work is complete, Two Million Dollars more will be required.

Well one thing is certain, as our California Capital is more beautiful than the majority of the Capitals of other States, and equal to the best, it is a credit in all its features, inside and outside, the Grounds around it are very fine in appearance, and soon with the growth of the trees and shrubbery it will have a very splendid appearance highly creditable to the Superintendent of the grounds.

The recent Severe Storms around us was quite a rarity, a couple of weeks since we met a lady in the cars, who came from above to Placerville, who had made a trip in the Saddle 107 miles through 67 feet of snow, this is a new feature for Californians.

There are more "New Comers" to our State this Autumn than ever before, and what is very gratifying is the fact that they bring ready means, and prepare to make "California their Home" by purchasing "Homesteads" ready improved, or lands to improve either way, we gladly welcome them.

RICH AND SUPERB FURNITURE.

We call special attention of all who desire to secure Rich and Splendid Furniture to the Advertisement of the California Furniture Manufacturing Company on Bush street.

Never before the present season have our Citizens seen so large and varied an assortment of Rich Furniture in one Establishment, now, every article needed can be had at the Warehouse of this Company, of which N. P. Cole, Esq., is the President, a gentleman most excellently qualified by a long experience to preside over and direct this extensive business, where millions a year are disposed of.

For Christmas and New Year the show of Furniture will be especially superb, and visitors to our City from the Country should by all means make a visit to this place, before purchasing elsewhere.

YOSEMITE AND ITS WONDERS.

This Celebrated "Home of the Beautiful" is to be put in a condition by means expended liberally in making a grand Turnpike Road into the Valley so that "Yosemite Valley," this Wonder of Wonders, can be visited without the danger of a tedious Journey.

YOSEMITE ALREADY HERE.

J. M. Hutchings, Esq., the well-known claimant of rights to the Valley, is now in our city, delivering a course of interesting Lectures upon the Valley, with Panoramic Views of its most interesting features.

Mr. Hutchings' Lectures are worthy of public attendance, and we are glad to know they are well patronized.

A VINEYARD—A BARGAIN.

We invite special attention to the Vineyard advertised in our Columns, it can be had at a very Great Bargain—one rarely met with a Vineyard that will clear itself in three years.

FARMER'S SEED WHEAT.

Those who desire to plant the most superior Wheat known on this Coast should call at the FARMER'S OFFICE, and see the Samples of the famous "Pride of Battle" Wheat, that is the variety to plant for a great return.

CALIFORNIA MADE BUTTER.

The New Patent Butter is now attracting much attention in this community and in fact all over the State, the trial of it has given much satisfaction while the call for it is so great as to demand the enlargement of the works.

Being desirous of examining into its manufacture and to see for ourselves the material of which the Butter is made, and the processes by which it is perfected, we called at the Manufactory, 405 to 407 Sansome, and was courteously shown through the Manufactory, having all the various departments fully explained to us by the President, and such was the satisfaction we received, that we advise heads of families to visit the Manufactory, and they will be fully satisfied that this Butter made of Sugar, is a most admirable article, and many persons would hardly believe their own senses, and would claim it as real butter.

The material is the best and purest spot from beef, taken fresh and new, is thoroughly washed and cleaned then ground fine, thence into Cakes and melted, the oily or buttery portion of these taken, made into cakes and placed in cloth, then put under a very heavy pressure and the pure buttery matter drawn from the cakes, this cream—butter fat is then churned the same as cream—thence worked as in a Dairy, guided into rolls and ready for use, the cakes from which the oil is extracted, is sent to the Candle Factory.

The perfect cleanliness and goodness of the whole establishment would put to shame many places they call "Milk Daries," and to see this Butter made would remove all objections, or doubts as to the purity of the material of which it is made.

Many of our large Hotels, Boarding Houses, wealthy families now use it, it is assuredly superior for the best cooking purposes, much better than Lard or cheap butter, as this Butter is so pure and so perfectly sweet and will remain so a long time.

We do not expect, however large may be the sale of this butter, that it will interfere with our Dairies, or that our Cows when they hear of it will stampede, but the rather to induce our Dairy men to make only the best butter, common quality will not pay, the Sweet Butter being so much better.

We should here mention that this Butter is sold at the Factory only by the case of 100 lbs, plus 30 cents while the retail is 37½ in the market.

STOCK OF GRAIN IN OUR STATE.

The various estimates made by some Journals of the Stock of Wheat on hand in the earlier part of the season, and even up to July, and to October terms, have been far below the real amount on hand, generally, these statements were put forth through ignorance or mere guess work, for the amount already sent abroad has far exceeded all estimates, and greatly exceeding the value of last year's crop sent abroad.

There has been nearly a Ship a day this month left our harbor with Wheat and Flour, and a number still loading, while the amount still on hand in the Warehouses and in Farmers' hands enough to load One Hundred and Fifty One Ships more of this year's crop.

We should estimate the Wheat Crop on hand in this State now, at One Hundred and Sixty Thousand Tons.

When at Stockton two weeks ago we obtained various data of the Stock of Wheat, then in Warehouses and Mills at 27,000 Tons, and at most the large grain regions there is heavy Stock still on hand.

Efforts are about to be instituted by the "Com Exchange" to collect very reliable data upon the hand now, but it seems that quite an influence is raised against it, lest it should damage Speculators prospects, the data we give will be found correct when the Grand results shall be made up for the year.

ORCHARD AND GARDEN WORK.

The Nurserymen over the State are anxiously for the sunny days, as they can lift their trees and fill their orders.

The early autumn is the time to plant those who wish the best should look to our nurserymen, for we never advertise any but reliable Nurserymen, our rule is to refuse those who are Masters of the Science, and who sell good trees correctly named.

Gardening work should be commenced as soon as the soil is dry enough to work to advantage. Bulbous Roots should be planted as soon as possible. Plants, Roses and Shrubs should be divided and reset, the ground made rich and the work well done.

THE SOUTHERN AMERICAN.

This long established and most admirable Journal asks the attention of the public to their Advertisement in our Columns, the Proprietor makes their appeal to scientific minds for the Journal, and as it is the Best in the Country, know we can heartily commend it to all.

Subscriptions received at the FARMER'S OFFICE.

THE INTERNATIONAL HOTEL.

This excellent Hotel on Kearney street, long and popularly known as the "Home" of the Traveler is receiving a rush of visitors, 40 to 50 per day, the very attentive Bookkeeper at the desk makes all feel at home, and "Miss Partridge" always has the best kinds of attention and comfort for them.

A FINE HOME CHEAP.

One advertised in our Columns can be had at the most reasonable rates, and on the most favorable terms.

New York, with only 1,000,000 of people, has more crime committed within its borders than London, with 4,000,000 of people; while ago less than 75,000 criminal arrests in London last year, there are more than 75,000 in New York city.

New Advertisements.

MAGNIFICENT
FURNITURE.

THE LARGEST

Most Complete
STOCK
In the World!

Superior Quality

OUR GOODS

Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY
are being constantly introduced,
in addition to our

Immense Assortment

OF PLAIN and COMMON FURNITURE, that cannot
be equalled.

NEW ARTICLES of our own manufacture, warrant-
ed to stand any climate.
San Francisco made goods sold at Factory Prices, but
NOT GUARANTEED.

Elegant, Ornamental and Useful
Articles.

HOLIDAYS

NOW BEING
RECEIVED DAILY,
ALL OF WHICH

We Propose to Sell at
Extremely Low Prices.

CALIFORNIA
Furniture Manufacturing
Company.

220 to 226 Bush street.

40.11



THOROUGHBRED

CATTLE

FOR SALE.

WM. FLEMING OF BROWN'S VALLEY, NAPA
CO., offers for sale One Devon Bull, EARL OF LEI-
CHESTER, 2 years old—a superior animal.

One Devon Cow, VICTORIA, now with Calf 4 years
old.

Also One Heifer—a fine animal.

The above Cattle have taken the Premiums at the
District and State Fairs, and will have full Pedigrees
warranted.

40.9.2m

SEED WHEAT.

I am offering to farmers of the State a quantity of that un-
equalled new variety of wheat known as the

"Pride of Butte,"

Price, Five Cents per Pound

in Lots of less than a Ton. For one Ton and upwards Four
Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Moore, Chico, or Wm. Van
Worm, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF
BUTTE" to wheat raisers are its great prolificness, small
amount of seed required, short, stout straw adapting it to
rich and poor soil, and its resistance to rust.

For quality and quantity of
flour it equals all other varieties.

Samplers were exhibited at the State Fair and won the Prize.
The 200 made from it also won the Premium.

WM. VAN WOERT,
Nord, Butte County, Cal.

40.3

WANTED.

We will give energetic men
and women

Business that will Pay

from \$1 to \$2 per day, can be pursued in your own neigh-
borhood, and is strictly honorable. Particulars free, or sam-
ples worth several dollars that will enable you to go to work
at once, will be sent on receipt of 50 cents.

J. LATHAM & CO.,
202 Washington Street, Boston, Mass.

40.5

New Advertisements.



THE

American Chief

PREMIUM

GANG PLOW,

BY

MATTESON & WILLIAMSON.

This Gang Plow has taken the Premiums at the
State Fair, and at the District Fairs whenever exhibited, and
borne off as many honors as any other Gang Plow made.

The American Chief is the result of years of study
and experiment by thorough practical mechanics who are
Plow makers by long experience in this work.

This Plow is constructed to meet the wants of our Farm-
ers, quickly adjusted to all its parts, and so easy in its
working that the toman of the Plow will move over any
change in the surface of the soil without deranging the shares
of the Plow.

By the perfect construction of the Plow, its wheels are the
governing power, while the plowman may move on in his
work in confidence that it may be done quickly and most per-
fectly. So admirable has it proved by the hundreds that
have used it, that it is admitted to be the best Gang Plow yet
manufactured.

For Circulars or particulars and for purchase,

Address MATTESON & WILLIAMSON,
40.8 Stockton, Cal.

SEED WAREHOUSE

WHOLESALE AND RETAIL.

409 & 411 Davis st., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsman & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN

SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE
for TWENTY YEARS, we claim to know the wants of the
Farmer, Gardener and Florist, and it is our aim to always
have the most complete, extensive and reliable Stock of Seeds
to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds
in large and small lots as they desire, and our prices and
terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Oats, Cabbage, Beet, Turnip,
Parsnip, Carrot, Celery, Peas,
Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

CHIEF CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famous Clover was very large
in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass,
Timothy, or Herds Grass,
Orchard Grass, Rye Grass,
and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds
is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail
to call and see our establishment, and we feel assured we can
supply and please them.

J. P. SWEENEY & CO.,
409 and 411 Davis Street,
San Francisco.

40.8

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Ex-
press, charges paid, \$2.50. Send orders to the Farmer
WARREN & CO.

The Napa 3-Wheeled Iron Gang-Plow,

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the supervision of
D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by
its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.

Second. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and low-
ering, without any exertion on the part of the driver.

Third. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three.

Fourth. THE LINE OF DRAFT. It is a center-draft plow. An adjustable device connects directly
with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts
itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.

Fifth. EASY IN TURNING; by means of the rear wheel the plow can be turned with ease in its
own length, making a great saving in time in the course of a day's work.

Sixth. IT IS EASY ON THE HORSES' NECKS. By resting the driver's seat on the rear end of the
pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.

The following testimonials show what farmers think of it:

"We, the following farmers, were present at a recent trial of this plow and found two mules to do
excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.)
Josiah Grigsby, Benj. McCoombs, A. Y. Clark, W. H. Gibbs, J. J. Ragdale, E. D. Sawyer, D. O. Waller, M.
Reaves, and others." Messrs. Nathan Coombs, J. D. Blanchard, Van Pelt and others, also testify to its
merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

40.9 NO. 8 & 5 FRONT STREET, SAN FRANCISCO.

THE
PHOTOGRAPHIC
SUN PEARL

AND

ART GALLERY,

526 MONTGOMERY ST.,

CORNER OF CLAY,

SAN FRANCISCO.

MESSRS. W. F. & N. J. BAYLEY,

HAVING REMOVED FROM

618 and 620 Washington Street,

Having opened, under the above name, a First-
class Photograph and Art Gallery, to which
they would kindly call the attention of their
many friends and the public in general.

THE GALLERY

Is fitted in the most elegant style, and a number
of first-class artists are engaged, who will en-
able the undersigned to produce Photographs
and Pictures not to be surpassed by those of
any other similar institution.

Our Motto shall be, "First-class Work
and Moderate Charges."

W. F. & N. J. BAYLEY,

40.7 526 Montgomery Street, corner Clay.

NEW ZEALAND FLAX SEED.

The New Zealand Flax seed grows with great
advantage and profit in California, and becomes in
article of large export to Europe. Thousands of tons
are annually exported to Europe from New Zealand,
realizing from £16 to £40, and even £50 per ton.

The New Zealand Flax will grow upon high or low
land, wet or dry, good land or poor land, and like the
Canada Thistle, once in is hard to get out, covering
the surface in a little time closely, and yielding an im-
mense return.

Those who desire to know how New Zealand Flax
grows and how it looks, can see two large plants in the
Postoffice Grounds. The long broad leaves are the
chief, each plant yielding heavily. Seed for sale at
Farmer Office.

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements
appear in our Holiday Numbers of which we
shall scatter Many Thousands should send in their
orders early, that they may secure good places
and due attention, this is the season that adver-
tising pays well.

THE CORHAM
PREMIUM BROADCAST
SEEDER
AND
CULTIVATOR
COMBINED!

The Premium Gorham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the
State Fair at Sacramento in 1872, also at Modesto and
Chico—the only places it was entered. The Gorham
Seeder has been awarded the highest merit that prac-
tical farmers can bestow, wherever it has been intro-
duced. Letters from the various Agents throughout
the States of California and Oregon speak of the suc-
cess and the perfect manner of its working, together
with the great saving of seed, time, and money in
sowing and covering, even beyond their most san-
guine expectations. This celebrated machine is de-
signed to supersede all other processes of sowing and
covering all classes of grain and grass seeds, as it is
capable of doing a greater amount of work, and bot-
tler work, with a saving to the farmer from one-fourth
to one-half the ordinary expense. From many sources
comes the intelligence that one of the Gorham Seeders
will pay for itself from one to three times the first
year, and with ordinary care the machine will last for
ten years. MAKE THE COMPARISON, AND BUY
A GORHAM SEEDER.

Read the numerous letters from practical farm-
ers who have used it on the Pacific Coast. Any one
desiring to learn more particularly of its merits, is re-
spectfully invited to write to any of the parties men-
tioned herein for such information.

A. H. BURNER.—Permit me, as well as so many others, to
say something in praise of the GORHAM BROADCAST SEEDER
and CULTIVATOR. Last winter I bought of W. J. Houston, of
Modesto, the Sixteen Foot Seeder; after using them, I find
that for saving of time, labor, seed and expense, and the per-
fect manner of doing the work, that I have no hesitation in re-
commending them to every farmer as one of the best machines
in the world. Too much praise cannot be said in favor of the
Seeder. Respectfully, J. W. MITCHELL.

WALTER'S RANCH, COLIMA CO., March 5, 1873.
Messrs. A. J. BURNER.—We have used the Ten Foot Gor-
ham Broadcast Seeder and Cultivator, purchased of you, and
cheerfully testify to its merits. We liked it so well that we
shall want to purchase another. We have sown about Five
Hundred acres with it this year, giving it a fair trial. If we
could not replace it we would not take a thousand dollars for
the one we have. The machine will accomplish all you re-
commended it for. One of our neighbors has one and speaks of
it to the highest terms. You can use this if you wish for pub-
lication. Yours truly, SHERMAN & VERBEKER

A. J. BURNER, Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
At Kellen's & Co. Ag. Warehouse,
J Street, Sacramento.

40.6



The Fourth Number of VICK'S FLORAL GUIDE
for 1873, containing Description of HYACINTHS,
TULIPS, LILIES and other Hardy Bulbs for Fall
Planting and Winter Flowering in the House, is now
published. 25 cents pays for the GUIDE a year—200
pages, 600 Illustrations. Fall Number 5 cents.
First number for 1874 will be ready to mail Nov
15th. It will contain 140 pages, 300 Illustrations, and
a beautiful colored plate. Address,
39.23 JAMES VICK, Rochester, N. Y.



HARTFORD

FIRE

IN URANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS.

313-CALIFORNIA STREET,

SAN FRANCISCO, CAL.

THE BEST PAPER!
TRY IT!!

BEAUTIFULLY ILLUSTRATED.

The SCIENTIFIC AMERICAN now in its 25th year, en-
joys the widest circulation of any weekly newspaper of the
kind in the world. A new volume commences January 3,
1874.

Its contents embrace the latest and most interesting in-
formation pertaining to the Industrial, Mechanical, and Sci-
entific Progress of the World; Descriptions, with Beautiful En-
gravings, of New Inventions, New Implements, New Pro-
cesses, and Improved Industries of all kinds; Useful Notes,
Recipes, Suggestions and Advice, by Practical Writers, for
Workmen and Employers, in all the various arts.

The SCIENTIFIC AMERICAN is the cheapest and best il-
lustrated weekly paper published. Every number contains
from 10 to 15 original engravings of new machinery and novel
inventions.

ENGRAVINGS, illustrating Improvements, Discoveries
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eering, Railways, Ship-Building, Navigation, Telegraphy, Tele-
graph Engineering, Electricity, Magnetism, Light and Heat,
FARMERS, Mechanics, Engineers, Inventors, Manufac-
turers, Chemists, Lawyers of Science, Teachers, Clergymen,
Lawyers, and People of all Professions, will find the SCIENTIFIC
AMERICAN useful to them. It should have a place in
every Family, Library, Study, Office, and Counting Room;
in every Reading Room, College, Academy, or School.

A year's number contains 52 pages and Several Hundred
Engravings. Thousands of volumes are preserved for blind-
ing and reference. The practical receipts are well worth
ten times the subscription price. Terms \$3 a year by mail
Discount to Clubs. Specimens sent free. May be had at all
News Dealers.

In connection with the SCIENTIFIC AMERICAN,
Messrs. MUNN & Co. are Sole Agents of American Foreign
Patents, and have the largest establishment in the world.
More than fifty thousand applications have been made for
patents through their agency.

Patents are obtained on the best terms. Models of New In-
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Send for Pamphlet, 110 pages, containing laws and full direc-
tions for obtaining Patents.

Address for the Paper, or concerning Patent, MUNN CO.,
37 Park Row, N. Y. Branch Office, cor. F and Tth Sts., Wash-
ington, D. C.

Subscriptions to the SCIENTIFIC AMERICAN received
at the Farmer Office 40.10

"A Repository of Fashion, Pleasure and
Instruction."

Harper's Bazar.

Notices of the Press.

The Bazar is edited with a contribution of talent and
that we seldom find in any journal; and the Journal itself is
the organ of the great world of fashion.—Boston Traveller.
The Bazar commends itself to every member of the house-
hold—to the children by droll and pretty picture, to the
young ladies by its fashion-plates in endless variety, to the
prudent matron by its patterns for the children's clothes, to
the family by its tasteful designs for embroidered slippers
and luxurious dressing-gowns. But the reading-matter of the
Bazar is uniformly of great excellence. The paper has ac-
quired a wide popularity for its fire-side enjoyment it efforts
from New York Evening Post.

SUBSCRIPTIONS—1873.

Terms:

HARPER'S BAZAR, one year..... \$1 00
4 00 includes prepayment of U. S. postage by the pub-
lishers

Subscriptions to HARPER'S MAGAZINE, WEEKLY, and BAZAR
to one address for one year, \$10 00; or, two of Harper's Port-
folios, to one address for one year, \$7 00; postage payable by
the subscriber at the office where received.

An Extra Copy of either the MAGAZINE, WEEKLY, or BAZAR
will be supplied gratis for every club of Extra Subscribers at
\$4 00 each, in one remittance; or, Six Copies for \$30 00, with-
out extra copy postage payable by the subscribers at the office
where received.

Back Numbers can be supplied at any time.

The six volumes of HARPER'S BAZAR, for the years 1868,
69, 70, 71, 72, 73, elegantly bound in green morocco cloth,
will be sent by express, freight prepaid, at \$7 00 each.

The postage on HARPER'S BAZAR is 20 cents a year,
which must be paid at the subscriber's post office.

Address HARPER & BROTHERS, New York.

40.7



Home Miscellany.

BEYOND JORDAN.

BY JOAQUIN MILLER.

And they came to him, mothers of Judah,
Dark-eyed and of splendor of hair,
Bearing down over shoulders of beauty,
And bosoms half hidden, half bare;

And they brought him their babes and besought him
Half kneeling, with suppliant air,
To bless the brown cherubs they brought him,
With holy hands laid on their hair.

Then reaching his hands, he said, slowly,
"Of such is My Kingdom," and then
Took the brown little babes in his holy
White hands of the Father of men;

And then close to his heart and arms'd them,
Put them face down to earth as in prayer,
Put his hands to his neck and so blessed them,
With holy hands laid on their hair.

TEACH US TO WAIT.

Why are we so impatient of delay,
Longing for the time to be
For thus we live to-morrow in to-day,
Yes, and to-morrow we may never see.

We are too hasty; are not reconciled
To let kind nature do her work alone;
We plant our seeds, and like a foolish child
We dig it up to see if it has grown.

The good that is to be we wait not now,
We cannot wait for the appointed hour;
Before the fruits are ripe we take the bough,
And seize the bud that folds away the flower.

When midnight darkness reigns we do not see
That the sad night is mother of the morn;
We cannot think our own sharp agony
May be the birth-pang of a joy unborn.

Into the dust we see our idols cast,
And cry, that death has triumphed, life is void;
We do not trust the promise, that the last
Of all our enemies shall be destroyed!

With you almost to sight the spirit faints,
And heart and flesh grow weary at the last,
Our Lord would walk the city of the saints,
Even before the silent gate is passed.

Teach us to wait until Thou shalt appear—
To know that all Thy ways and times are just;
Thou seest that we believe and fear,
Lord, make us also to believe and trust!

FAITH AND REASON.

"Two travelers started on a tour,
With trust and knowledge laden,
One was a man with mighty brain,
And one a gentle maiden,
They joined their hands and vowed to be
Compensate for a season—
The gentle maiden's name was Faith,
The mighty man's was Reason.

He sought all knowledge from the world
And every word was dear,
All matter, and all mind were his,
But hers was only spirit.
If any stars were missed from Heaven
His telescope could find them,
But while he only found the stars,
She found the God behind them.

He sought for truth above, below,
All hidden things revealing,
She only sought it woman-wise
And found it in her feeling.
He said this earth's a rolling ball,
And so doth science prove it,
He but discovered that it moves,
She found the springs that move it.

He reads with geologic eye
The record of the ages,
Unfolding strains he translates
Earth's wonder written pages,
He digs around the mountain base,
And measures it with plummet,
She heeds it as a single bound
And stands upon the summit.

He brings to light the hidden force
In nature's labyrinth lurking,
And binds it to his onward car
To do his mighty working.
He sends his message "cross the earth,
And down where sea and gulf
She sends her love to God himself
Who binds his car to listen.

All things in beauty, science, art,
In common they inherit,
But he has only clasp'd the form
While she has clasp'd the spirit.
God's wall infinite none come up
Before Faith and her lover,
But while he tries to scale its heights,
She has gone safely over.

He tries from earth to forge a key
To open the gates of Heaven—
That key is in the maiden's heart,
And back it he to her driven—
They part without her all is dark,
His knowledge vain and hollow,
For Faith has entered in with God
Where Reason may not follow."

A WORD FOR EAVESDROPPERS.

How did they learn that their ways were small?
Jean and Kitty—
How did they know they were scorned by all?
Jean and Kitty—
Why, they listened one day to a neighbor's blinds,
And heard the family speak their minds—
What a pity!

CHRISTMAS.

[We add the following most excellent and appropriate Christmas offering in *Bell's Journal of Health*, for December.

The article is so excellent that we copy it entire and commend it to all, and hope it will be put into practical operation widely, there are views we heartily endorse.—Ed. F.]

"Here comes old Father Christmas.
Welcome or welcome not!
I hope old Father Christmas
Will never be forgot."

This December number will "come out" a month before Christmas, and, in order to have as much fun as possible in that joyous time, it would be well in the first place to arrange that there should be no debts coming due from year to others within two weeks before and two weeks after the holidays. It is not possible for any father or mother to be easy in their minds on Christmas Eve, while preparing to fill the stockings of the dear little ones, to be opened the next morning with such rapacious expectancy, to know that the day after a "heavy note" is due in the bank, or that a friend to whom you owe the money is looking to you with the utmost confidence that you will pay up, to enable him to meet his own maturing obligation. It is true that, by some fatality, the "first day of January" is made pay day by multitudes, but it ought not to be so, for the reasons named. If, by any mishap, or from want of forethought, you are already committed to the payment of money about the holidays, try and arrange, even if by a little sacrifice, to anticipate the payment a week or two, so as to have your mind clear of it, and that you may be able to enter into the enjoyment of the season with your little ones heart and soul, and have no cloud in your blue sky on this universally joyous occasion.

The "holidays" are a resting place for that vast number of persons who are always in debt; it is a kind of excuse that has more or less of foundation in it; nobody is expected to pay during that time, hence the easy promise is made, "I will attend to it after the holidays;" just like the struggling unfortunate who is somewhat relieved by being able to put a ticket on his door, "Closed by reason of death in the family," feeling assured that an important creditor will not intrude under the circumstances. And so it is "after the Fourth of July," "after Thanksgiving." What poor little meap equivocations does that remorseless monster, "debt," compel men to practice!

But do not be so selfish as to confine all your attention to securing your own enjoyment during the holidays. Can't you do a little for the comfort and happiness of others—for that poor struggling widow across the way, or that sick neighbor down the road? Go all through your house and hunt up the old clothing which you have cast off and do not expect to wear again. Get all the old shoes too much worn for your own use, such as have rips and holes; there are men who would very thankfully receive them.

"What are you going to do with all those old shoes?" I said, as I gazed at a whole pile of them one day in the magnificent parlor of Mrs. Dr. W.

"Oh, I'm sending them to the shoemaker to be mended."

"Why I see you and your daughters going to come out of your 'hundred foot front' into Fifth Avenue in shoes with patches on them?"

"Oh no, doctor; there are some poor families on the east side of the town, and we are going to send them and some old clothing to them this cold winter weather; but we have all the patching done before we send them, because they might not have the money or the means to make them serviceable for some time to come, and they need them to-morrow."

What a thoughtful, loving heart beat in that woman's breast—worthy of a born "Knickerbocker," as she was. What refinement of delicacy and consideration! Shoddy or Corn Cobs would have waited until some one called to beg their cast-offs, and then, with a scowl, would have thrown the old shoes on the floor, with a "clear-out; don't bother me any more!" But if Christmas is almost upon you before you chance to see this, and you have already parted with all your old clothing, do try and send a turkey or two, or a basket of apples, or half barrel of flour, or keg of cranberries to the Five Points Mission House, to help spread a bounteous table to the poor little outcast children, who will never sit down to another good dinner until a whole year has passed away.

Maybe there is a sick mother near you—widowed, and poor, and sad; send her a full plate from your own Christmas dinner. And that young sewing girl, whom you have seen sitting at a window in the warm summer time, but has now "taken to her bed," and is slowly going down into the grave, send her a bunch of flowers, even if it costs but ten cents, for it is the last she will ever see. Before the early spring time, even long before the first delay peeps from under the snow, she will have been moldering in the grave; but anyhow that flower will gladden her sinking heart, and another thing that will gladden it more, that some one above her in social position had thought kindly of her.

Then there is your minister; surely you won't forget him. You can't forget him—the man whom you first send for when terrible sorrow comes into your dwelling. Think of him, not as a pauper object of charity, but as a man to whom you and your country, and the whole world owe a debt which never can be paid—for without the influence, the work and the labor of the Christian minister, the globe would be a pandemonium of misrule, and sin, and wickedness and crime. Make him some gift, not for its value but for the countenance it gives, for the proof it is of your consideration, like the offering which the wise men of the East cast at the feet of the infant in the stable, glad to have the privilege of doing it. Well, then, send your minister a book, or some useful thing, whether "gold, or frankincense or

myrrh," or a year's subscription to some religious newspaper, or literary magazine, or theological review, feeling all the while that, whether to your sick neighbor, or your clergyman, or the dying sewing girl, or the wails at the Five Points, they are all God's children—they are all the purchase of a Saviour's blood, and that that same "Son of Man" is looking down upon you from his throne of immensity, saying, "Inasmuch as you have done it unto one of the least of these, my brethren, ye have done it unto me." The sweet "soft voice" may only be heard in your heart to-day, but it will be repeated in the hearing of angels and of men in that day for which a lot of other days were made, when the angels, standing with one foot on the land and the other on the sea, shall proclaim that "time shall be no longer," and they who have done righteously shall go up with their Lord in the air.

Finally, reader, it may be to you the last chance you will ever have of doing this on a Christmas Day, for certain it is that some of you will never see another.

OUR OWN DEAR GRANDMOTHERS.

Who does not remember with deep tenderness of feeling the many deeds of kindness, care and affection shown them by a loving Grandmother.

Grandmother in the family was like the Corner Stone of the building, a main stay, a refuge, a friend for all, the memories of those Dear Old Grandmothers passed away are precious; and those who have them now should cherish them.

We give a pleasant, happy story from *St. Nicholas*, by Elsie G., as appropriate now for Holiday remembrances for Christmas to Grandmothers:

For a long time I did not understand it at all. I thought that, because grandmothers often were feeble and old-fashioned, they could never really feel as we children do; that they needed no particular notice or enjoyment, for it was their nature to sit in rocking-chairs and knit. They seemed quite different from the rest of the world, and not to be especially thought about; that is by the girls who we as full of merry plans as we were.

Grandmother lived with us, as father was her only son. We had a vague idea that she helped mother mend the clothes and knitted all father's winter stockings, beside some pairs of the church-society. We were supposed to love her, of course, and were never openly rude, for indeed we had been taught to be polite to all aged persons. As for grandmother, she was one of those peaceful souls who never made any trouble, but just go on in their own way so quietly that you hardly know they are in the house. Mother sat with her sometimes, but we girls, in our gay, busy pursuits, rarely thought of such a thing. She seemed to have no part in our existence.

It went on so for some time, until one day I happened at sundown to go into the sitting room, and there sat grandmother alone. She had fallen asleep in her chair by the window. The sun was just sinking out of sight, leaving a glory of light as we went, and in this glory I saw grandmother—saw her really for the first time in my life!

She had been reading her Bible, and then, as if there had been no need of reading more, stum her treasure already lying shining in her soul, she had turned the book over upon her lap and leaned back to enjoy the evening.

I saw it all in a moment—her gentleness, her patience, her holiness. Then, while her love and beautiful dignity seemed to fold about me like a bright cloud, the sweet every-day lines in her face told me a secret, that even then in the wonderful sunset of life she was, O, how human! So human that she missed old faces and old scenes; so human that she needed a share of what God was giving us—friends, home interests, little surprises and expectations, loving offices, and, above all, a recognition in the details of our fresh young lives.

Girls! when grandmother woke up, she found us all three strolling softly into the room; for God had helped me, when I went to tell my sisters about it. Mary only kissed her and asked if she had had a good nap; Bessie picked her ball of yarn off the carpet, where it had rolled, and began to wind it, all the while telling her a pleasant bit of news about one of the school-girls; and I—well, I knelt down at grandmother's feet and, just as I was going to cry, I gave her knees a good hug, and told her she was a darling. That's all, girls. But it's been different ever since from what it was before.

A CHRISTMAS PIE.

An eminent preacher of the present day, when a boy, committed some offense, for which his father decreed as a punishment, that he should be excluded from the family table on Christmas-day. When the young delinquent saw the vast culinary preparations made for the feast from which he was debarred, he was moved less with envy than with a contempt for the sort of punishment which had been imposed on him; but mixing in his disposition a good deal of the satiric with the serious, he resolved not to be without his joke on the occasion. He contrived to obtain secret access to a roasting pan, on which the cook had exhausted all her skill, and carefully taking off the cover, so as to avoid any mark of fracture or disturbance, he took out the greater part of the meat, and filling up the dish with a quantity of grass, replaced the cover as it was.

The company met, and the dish was served up to them in this state; it fell to the lot of the young wag's father to break up the pie, and his surprise on doing so may be more easily conceived than described. Stirring the grass about in a fit of indignation, his fork encountered a small strip of paper, on taking out which he read on it these words: "All flesh is grass."

There is no cure for vanity, gilding thorny wet sums the nearest to it for the time being.

If I saw set the fashions for a people, I don't care who makes their laws.

THE GREAT FALL OF SNOW.

The Snow Storms, Sleigh Rides, and Coasting upon Slides is the universal enjoyment at the East during the Holidays, we here in California can boast this year of having our Sleighrides, Snowballing, &c., before Christmas. The fall of snow in the mountains in this year already getting greatly in excess of former years, and are spring we shall have enough of it.

St. Nicholas, the God and Priest Merry Christmas, thus sings about "Little Jingle" of the Merry Sleigh Ride, and always pleasant to those from Snowy Lands:

Snow, snow, everywhere!
Snow on frozen mountain peak,
Snow on Eliphi's sunny hair,
Snow flakes melting on his cheek,
Snow, snow, wherever you go,
Shining, drifting, driving snow.
But Eliphi does not care a pin,
It's winter without and summer within.
So, tumble the flukes, or rattle the storm,
He breathes on his fingers and keeps them warm.

SERVANT GIRLS.

"Do let me give you a subject for next time," said a friend the other day; "please give the servant girls a glimpse, the side, my very life is worried out with them." "We have nothing to complain of, indeed it's just the other way; a lovely American young lady assistant in household labors, in all respects one of the family, like a daughter or a sister rather than a stranger; never had any trouble in getting or keeping one, we teach her what she doesn't know, steady her interests and her happiness, love her as a friend." "Then," said the lady, "why don't you put that in?" "Does any one want another Emma Josie?" writes a lady from Pennsylvania. No American girl in the right spirit will submit to be snubbed, but when she is treated properly what will she not do? We insist upon it, that it is no more degrading in reality to do work in another's kitchen for pay than in one's own for nothing, and when all the parties to such a transaction accord in that belief, help will not be hard to obtain. Housework is the most natural, the most useful, and the most healthful employment for women, and we may add that in this department of industry, even more than in most others, "there's plenty of room at the top."—*New York Tribune*.

FASTENING LOOSE WINDOW-SASHES.

The most convenient way to prevent loose window-sashes from rattling when the wind blows, is to make our one-sided buttons of wood, and screw them to the tops which are nailed to the face-casings of the window, making each button of proper length to press the side of the sash out and when the end of the button is turned down horizontally. The buttons operate like a cam. By having them of the correct length to crowd the sash outward, the sash will not only be held so firmly that it cannot rattle, but the crack which admitted dust and cold air will be closed so tightly, that no window strips will be required. The buttons should be placed about half way from the upper to the lower end of each sash, to the sashes.

GIRL'S DRESS FOR WINTER.

An excellent rule in regard to the winter dress of girl when they get beyond infancy is to select Scotch woolen goods for day wear, and pretty blue, scarlet or canary color for Sundays, one white dress, perhaps, for evening or party occasions. With the day dresses can be worn for school a gray cloak, jacket, or waterproof with the best dresses a redogato or palstot of thick white cloth mounted with black velvet collar, cuffs and buttons. A black velvet Normandy cap trimmed with ribbons to match the dress, and the outfit is complete.—*From Demorest's Monthly*.

A Missouri paper thinks "what the women of this country most need is not suffrage, but symmetry; not rights, but rationality; not a place in our legislative halls, but a place to fasten their stockings."

"A Repository of Fashion, Pleasure and Instruction."

Harper's Bazar.

Notices of the Press.

The *Bazar* is edited with a combination of tact and talent that we seldom find in any journal; and the journal itself is the organ of the great world of fashion—*Boston Herald*. The *Bazar* commands itself to every member of the household—to the children by droll and pretty pictures, to the young ladies by its fashion-plates in endless variety, to the prudent matron by its patterns for the children's clothes, to the fashionable by its tasteful designs for embroidered slippers and luxurious dressing-gowns. But the reading-matter of the *Bazar* is uniformly of great excellence. The paper has so gained a wide popularity for its bedside enjoyment it affords. *New York Evening Post*.

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Miscellany.

NEWSPAPER QUARRELS.

A very happy and very appropriate hit has been made at the foolish and ridiculous newspaper quarrels that so disgrace the columns of Journals in our city, that we give the portion that hits the balance of the Song alludes only to the Journals of Sacramento.

The Song we copy from the *Seminary Budget*, published monthly by the "Young Ladies" of the Sacramento Seminary, under the charge of Sarah Perry, Esq. and Lady—a Popular Institution—the Song is by "Anabel," and the title

AN ANCIENT SONG IN MODERN DRESS.

Birds in their little nests agree,
And 'tis a grievous shame,
When brother editors we see
Bawling each others name.

Whatever brawls disturb the street,
The easy chair should be
A place where all the virtues meet,
For mirth and envy free.

Type 'tis a little harmless fray,
This war or sharp edged words;
A transient minstrelsy away
From all the native herds.

But softer chords and sweeter sounds
O'er shorter ears fall best,
Where'er humbly sounds,
By noble reason blest.

Let cannibals and mad dogs bite,
As they are wont to do;
Let politicians growl and fight,
For 'tis their nature too.

But editors should never let
Their angry passions rise,
These little types should never let
For hatred, storm and lies.

Let love through all your columns run,
And every line be true,
So shall your work be nobly done,
And blue both eye and nose.

THE OLDEST FIRE-ENGINE COMPANY IN AMERICA.

The creation of a paid fire department by a recent Philadelphia ordinance divides the oldest fire-engine company in America—the Liberator, organized in 1752, and now in its 122d year. During the Revolutionary war, every member of the company, with two exceptions, served in the patriot army, though maintaining intact its organization. Among the names that have appeared in its roll of membership are those of Robert Morris, the American financier and Commodore Barry, of the navy. A new organization will probably be formed, and the company's property divided among the members. As there are but 63 of the latter in regular standing, and the property amounts to \$30,000, each member will receive quite a handsome little sum. J. P. Grant, the South and westman of Springfield, is one of the 63.

At the Stockton Land Office during 1873, 579 declarations and 233 homestead applications were filed, embracing 40,355 acres; sold for cash, 55,247 acres amounting to \$93,184; located with Agricultural College scrip, 37,577 acres; located with Military Bounty Land Warrants, 960 acres; final homestead entries upon record of five years' residence, 50, embracing 7,471 acres; land to the Western Pacific Railroad, 13,089 acres.

DOG-OWNERSHIP.

Difficult cases of dog-ownership often crop up in the courts, the magistrates generally allowing dogs to bite the quarrel. One lady we remember recovered her pet by making him die at her command. A very extraordinary instance of sending a case to the dogs for settlement was reported in a Jersey newspaper in 1857. "A few days since, a son of Rev. Mr. Bellis was passing along the street, holding in his arms a puppy dog, of which he had been made a present, when a French woman came up to him and took the animal from him, declaring it to be her own. Mr. Bellis complained to Mr. Cantelero de Jardin, whom he assured that the pup had been given to his son by Mr. Cornish, the owner of the animal's mother. The Frenchwoman insisted that the pup was hers, and said she had given its mother to an undertaker in Bismarck lane. Mr. Cantelero caused the two mothers to be brought together at the undertaker's and the pup to be placed equidistant between them. The pup immediately ran to its mother, owned by Mr. Cornish, and was instantly covered by her with caresses. Of course, it was forthwith ordered to be given up to its rightful owner." A less successful result attended the experiment tried by Judge Cash in the belief that a dog must know its own master. Finding himself going bothered altogether by the conflict of evidence submitted by the rival claimants for the possession of the animal, the Judge cried, "Stop! we'll settle this very easily. You, Mr. Plaintiff, go into the far corner of the room out there. You, Mr. Defendant, come into this corner up here. Now both of you whistle; and Mr. Cornish, let loose the dog." His orders were obeyed; plaintiff and defendant whistled their loudest; the dog made a bolt of it, and "scouted" out of Court. "Very extraordinary!" said the Judge; "I can't understand that. Mr. Cornish, as the plaintiff could not prove his case when I gave him the chance, you may enter judgment for the defendant."

OLIPPINGS.

That was good advice which an old man gave to his son: "Boys, don't you ever speculate or wait for something to turn up. You might just as well go sit down in a place in the middle of a meadow with a rail 'tut tut tut,' and wait for a cow to back up to you to be killed."

A "reader" in New Britain very truthfully and indignantly asserts that no woman, however nervous she may be, has a right to wake her husband from a sound sleep to tell him on his inquiring what is the matter. "Nothing, only I wanted to know if you were awake."

In Indiana, lately, there was a case of "obtaining a husband under false pretenses." Joseph Henderson, seeking for a divorce, alleges that his wife trapped him by means of false hair, false eyebrows, false complexion, a big nose and a deceitful tongue.

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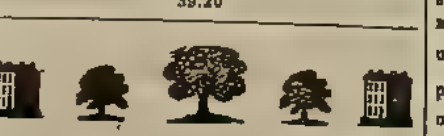
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Office, 414 California Street.

Office and Works, 15 Mason Street, bet 4th and 5th, SAN FRANCISCO.

39.11 V. CUSHING, General Superintendent.

Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale.

He has on hand and now ready to deliver

Pure Bloods,

Half Breed, and

All Grades up to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Ridgeway, El Dorado Co.

N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars.

N. G. 37.17

THE INFALLIBLE COUGH AND CONSUMPTION CURE!

As a remedy for Coughs, Colds, Soreness or Pains of the Chest, Whooping Coughs, Phthisis, Bronchitis, Asthma or Consumption the INFALLIBLE COUGH AND CONSUMPTION CURE has no equal. In cases of Consumption the patient should take in consideration the condition of the lungs. If they are too far gone, of course a perfect cure is impossible, although in many cases when Physicians have given up all hopes it has effected perfect cures. Sometimes Physicians are mistaken. The best proof of that is

to try three or four different ones, and in nine cases out of ten every one of them will have a different opinion and prescribe different remedies; so before giving up all hopes give the INFALLIBLE CURE a fair trial. If there is a possibility of a recovery, the patient will not regret using the INFALLIBLE COUGH AND CONSUMPTION CURE. It acts as a stimulant and a light expectorant; but its virtue, its strength and its wonderful effect on the lungs is centered in its great healing powers, relieving irritation, soothing and healing the lungs, thereby promoting a free and easy respiration, and a permanent cure. For Coughs or Colds, Chronic, long-standing or of recent construction; the INFALLIBLE CURE is acknowledged by all who have used it to be far superior to any remedy ever placed before the public, acting directly on the mucous membrane, it cuts and loosens the phlegm, which by a free and expectoration from the lungs, relieves the patient almost immediately. Recent Colds are cured in from One to Three days.

W. H. H. WHITE, Proprietor,
1238 Pacific St., San Francisco.

ORRIS & BRIGMAN, Wholesale Agents,
San Francisco,

For Sale by all Druggists. 40.4

BEE KEEPER'S

DIRECTORY.

By J. S. HARRISON, Apian, Sacramento

THIS BOOK HAS BEEN PREPARED by the Author with great care and the devotion of much time. From the experience of many years as an Apian, the author has given results that must be of great value to all who have bees. Every person who contemplates keeping of bees should have this book, a volume of over 400 pages, fully illustrated, price only \$1.50.

For Sale at the FARMER OFFICE.

WARREN & CO.

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the State should have a copy.

Price at the Farmer Office, \$2.01; by Mail or Express, charges paid, \$2.50. Send orders to the Farmer

WARREN & CO. 39.24

MAIN & WINCHESTER, SADDLERY WARE,



Have on hand the finest and best Assortment of

HARNESS, SADDLES, COLLARS, SADDLE TREES, LASHES, ETC.,

HIPS, LEATHER, BLANKETS, ROBES,

ever offered on the Pacific Coast. We particularly call the attention of the country trade to our extensive assortment of Harness adapted for Farming and Teaming use, and also to the Collars of our own manufacture, which we guarantee Superior to any other Collars manufactured.

We are prepared to supply the trade, with any goods in our line at the very lowest prices for Cash or approved credit.

Traders will always receive careful attention.

Nos. 314 and 316 Battery street.

SAN FRANCISCO.

39.17

TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments, only charging interest at the rate of 5 per cent. per annum Freight at the chartered price paid the ship, Insurance and other charges at the lowest rate obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

J. C. MERRILL & CO.,

204 & 206 California Street,

SAN FRANCISCO.

39.15

TREES,

PLANTS & BULBOUS ROOTS

For AUTUMN of 1873.

Ellwanger & Barry offer in Planters and Dealers the largest and most complete stock in the country of

Standard and Dwarf Fruit Trees,
Grape Vines, Small Fruits,
Ornamental Trees, Shrubs, Evergreens,
New & Rare Fruit & Ornamental Trees,
New & Rare Green & Hot House Plants,
Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt attention to all inquiries.

Illustrations and Illustrated Price Catalogues sent prepaid on receipt of Stamps or orders.

No. 1—Fruit, 10c. No. 2—Wholesale, (Just Published,) Free. No. 3—Bulbs, 5c. Address,

Ellwanger & Barry,

39.24 Mount Hope Nurseries, ROCHESTER, N. Y.

39.24

NEW MAP

—OF—

ALIFORNIA

—AND—

NEVADA.

IN TOWNSHIPS, WITH MINERAL GROUNDS,

RAILROADS, AND LAND DISTRICTS

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STEAM

MAMMOTH PRINTING HOUSE.

No. 617 Clay Street,

FRANCIS & VALENTINE,

Proprietors. 39.1

THE CALIFORNIA FARMER.

Our FORTIETH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of this year and the following year also thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on the Coast. We trust we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE,

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

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Great Reduction

FOR THE

"California Farmer."

FOR

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EDUCATED MEN AS TRAVELING

AGENTS.

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Subscribe Now.

WARREN & CO., Editors and Publishers.

310 Clay St., San Francisco.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in one Column, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their Wants?

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing place.

Correctly Weekly by Editor FARMER.

SAN FRANCISCO, Dec. 18, 1873.

MONEY AND EXCHANGE TABLE.

Exchange on England	106 1/2 @ 107
Price of Gold	107 1/2
Value of Greenbacks	92 1/2 @ 93
Value of Wheat in Liverpool	12 1/2 @ 13
do do New York	11 1/2 @ 12

Money at the Bank of England, has declined to 4 1/2 percent, and will probably go lower.

Confidence being restored, the Banks are doing business in New York more freely.

Money in San Francisco still in demand and not easy to be had. At Bank 1 and 1/2 per cent—large and long loans are 2 and 1/2 per cent.

GRAIN AND FLOUR MARKET.

The Grain market is unusually active for so stormy a period as we have had for the whole month of December. Large sales of Wheat have been made, far larger than could be supposed for such weather and dull times, while the amount of Wheat and Flour sent abroad has been quite large. So Report in our Editorial columns.

The price of Wheat remains firm, with almost an assurance that it will hold at present rates for the Season.

The Flour market is active, prices firm, with large shipments to Liverpool, and a continuous demand that keeps our mills working full time.

Barley is firm with prospect of still further advance, as the quality of our Barley is such as to make it sought for, large orders coming for our Barley from Chicago, which will cost them laid down their \$3.40 the hundred.

Thus we see the excellence of our Wheat, Flour and Barley, making them famous abroad.

Oats limited demand, Rye wanted, Buckwheat in demand, Corn steady.

Seeds of all kinds good supply, viz: Alfalfa, Flax, Mustard, Clover, Canary, &c., a large amount of good Alfalfa is on the market.

Hay, by reason of the long storm, the sales have been small. Stock prices recede.

Feed Grains, Bran Middlings and Oil Cake Meal continues firm. These are all used largely now as beneficial, especially to Stock in stormy weather, particularly Oil Cake Meal.

Hops are quiet, purchasers don't seem to wish to "have the Op." Oregon is now sending Hops to this market, and few only going East, owing to the large supplies coming there from abroad.

Hides, Leather and Tallow are quiet and but little excitement—prices steady.

Potatoes good demand at better rates, Onions fall prices, Beans steady.

The Wool market has advanced and large sales have been recently made—over One Million Pounds—the Eastern market is active with an upward tendency.

The Cattle market is fully supplied, prices vary low, more or less usual at Christmas time.

WHOLESALE GRAIN REPORT.

Wheat California, 100 lbs. Coats	\$2 10
do do do do do do do do	2 15
do do do do do do do do	2 20
do do do do do do do do	2 25
do do do do do do do do	2 30

Small Prices in the Fruit Market.

The Fruit market makes a much better showing this week, and next will bring forth the fruit that has been held back for this Festival period.

Apples and Peaches show very well, Grapes are again brought forward, out of season, and command good prices—some "Red Sidecats" and Tokays selling at 20 to 25 cents.

Los Angeles Oranges and Lemons now come to market and sell freely at reasonable rates, San Oranges also come from the Wolfkill Ranch, Dutch creek, very handsome fruit.

Our California Raisins and Dates are very fine, plenty and reasonable.

Foreign Fruit comes in freely, and Foreign Nuts of all kinds.

Onions, 100 lbs.	\$1 50
do do do do do do do do	1 55
do do do do do do do do	1 60
do do do do do do do do	1 65
do do do do do do do do	1 70

FISH.

The Fish market is the only portion of our market that may be said to be in small supply, but this is owing to the long continued storm which cuts off the supply of the Sea.

Catchers of our salt water fish, another week we look for a large showing, and Larbins, Canals & Spoils, 101 & 103 California Market, do their best to always have the very best in market.

Salmon, 100 lbs.	\$2 00
do do do do do do do do	2 10
do do do do do do do do	2 20
do do do do do do do do	2 30
do do do do do do do do	2 40

SHELL FISH.

The trade in Oysters and all kinds of Shell Fish is brisk, and constantly increasing, the prices however remain as usual.

Oysters, 100 lbs.	\$1 00
do do do do do do do do	1 10
do do do do do do do do	1 20
do do do do do do do do	1 30
do do do do do do do do	1 40

Our Meat market will make a grand show of the season. The 1st Feed Cattle, and Prime Mutton, Fat Veal, Pork, Lamb, &c., the fine display of California Bacon and Hams will be worthy of note. We will watch our California Christmas Beef markets with eye in the world.

Beef, 100 lbs.	\$1 50
do do do do do do do do	1 60
do do do do do do do do	1 70
do do do do do do do do	1 80
do do do do do do do do	1 90

The Poultry market will do their prettiest display for the Christmas week, the signs are now evident of a good display, the prices however will be very low compared to former times.

Turkeys especially are very reasonable, even cheaper than Beef, the market will be gradually supplied, R. D. Mowry, 103 & 104.

Ducks, 100 lbs.	\$1 00
do do do do do do do do	1 10
do do do do do do do do	1 20
do do do do do do do do	1 30
do do do do do do do do	1 40

Broilers, 100 lbs. \$1 50 |

Large Chickens, 100 lbs. \$2 00 |

Geese, 100 lbs. \$1 50 |

Quails, 100 lbs. \$1 00 |

Pigeons, 100 lbs. \$1 00 |

Partridges, 100 lbs. \$1 00 |

Snipe, 100 lbs. \$1 00 |

Wild Ducks, 100 lbs. \$1 00 |

Wild Geese, 100 lbs. \$1 00 |

Wild Turkeys, 100 lbs. \$1 00 |

Wild Pigeons, 100 lbs. \$1 00 |

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CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XL. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 1, 1874. NUMBER 12.

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BY WARREN & CO.
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SAN FRANCISCO.

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All letters on business connected with the office should be addressed to WARREN & CO., PUBLISHERS.

EUROPEAN.

From our Special Correspondent.

PARIS, November 29, 1873.
FARMING ON SHARES.

M. de Saint-Projet allotted three different portions of his estate to what are called as many "colonies" or groups of families; in this case each family consisted of four able bodied, intelligent men, their wives, and children. A deed was drawn, wherein he guaranteed fixed remuneration in money or in kind, and a share in net profits. He supplied them with the capital to purchase their shares of the stock, charging them five per cent. interest; the advance has been repaid during the fourth year in cash, and the value of the live and dead stock enhanced for mutual benefit. Where formerly such families but vegetated, they now live; having experienced the attraction of acquired property, the lands to add to it has been developed; where there was want, plenty now reigns, and if the families so desire, they can realize the wish of Henri II., to see a fowl in the pot every Sunday. Instead of dreaming of immigration to the town, the families have become more attached to the country; marriages have been contracted as properly increased, and happiness was only suggested the more they became fruitful.

THE MILK MARKET OF PARIS.

Thirty years ago the milk dairy supplied to Paris arrived from a distance of thirty miles; today milk for the capital is transported over an average distance of ninety miles, and a little, as far as 120 miles. The city consumes about one-quarter of a million quarts of milk daily, which is retailed at six sous per quart, having been purchased originally but for two. The unsold milk is made into white cheese mozzarella or less thick cream in a word. The milk is forwarded to Paris every night by train, and is a mixture of the morning's with the evening's milking. To preserve the former fresh for twelve hours, it is placed in special vessels which are plunged into a water bath, and heated to 206 degrees, ever under the boiling point; the vessels are then taken, plunged in cold spring water till the afternoon, when the contents are mixed in common with the evening's milk in an immense tub, with a strainer inside, and then rapidly run off into the cans, which are at once covered down, tied, sealed to prevent fraud, and in this state reach Paris at two in the morning. The whole sale dairyman's profit is about one centime, less than a centime per quart, and the average expense of collecting and transporting them is nearly equal to its prime cost. In 1871, 1872, and 1873, farmers are making fortunes by selling milk to the various "condensing" companies, and Danish agriculturalists are highly successful in the market for fresh butter in the.

THE GREAT AUSTRALIAN FACTORY.
One of the oldest and most important beet factories in France, is that of Bordeaux, at Moul-



OUR ILLUSTRATION.

We produce in this number an illustration of the Building of that well-known Institution, Heald's Business College. We have so often spoken of this school that its object and workings are familiar to most of our readers. We now propose to describe its building, and to give our readers a short historical sketch of its successful career. College Building, as it is termed, compares favorably with the finest buildings in this city. It was erected in 1870 for the College, and is peculiarly adapted for the purpose for which it was intended. Situated on the north side of Post street, between Montgomery and Kearny, its location is admirable for the purpose of a commercial school, being in near proximity of the business community and leading hotels, as well as of convenient access to students from all parts of the city. The building has a frontage of 57 1/2 feet on Post street, and a depth of 123 feet, thus affording facilities for large and commodious school-rooms. Inside is finely arranged, and has been fitted up at great expense for the purposes of the College. The Business Department of the school has been furnished with banks, jobbing and importing houses, commission, real estate and telegraph office. The two stores on the ground floor of the building are occupied by the extensive carpet and furniture warehouses of Messrs. Plumb, Bell & Co.

Heald's Business College ranks among the finest educational institutions in America, its present completeness and size are the result of ten years' steady growth, brought about by the indefatigable efforts of its managers. Every passing year has added to the number of its pupils, and to the efficiency of its course of instruction. The number of pupils in the various departments is now nearly five hundred. The school has already become the largest and most efficient Business College in America, a fact of which California may well be proud. Its pupils come from every portion of the Pacific Slope, and also the Eastern States are always represented by a considerable number of students. The President of the College is Mr. E. P. Heald, who has been identified with mercantile education in this city since 1863, and is too well-known to the public to need extended notice here. He is ably assisted in his efforts to render the school efficient by the Secretary, F. O. Woodbury, and a large corps of experienced teachers. The graduates of this College are known to the business public for their ability and thoroughness, and are in demand in business houses in this city, they are now engaged in business throughout the whole length of the Pacific Coast, and their success has been such as to induce many others to attend the College.

The Telegraphic Department of the College is located in the Mechanics' Institute, directly opposite College Building. In this department also, in the Business Department, there are many ladies in attendance. Their success has been

most flattering; and it is to the credit of this useful institution that it opens avenues to women whereby they may secure honorable and lucrative situations.

Our readers, whenever an opportunity may present itself, will find a visit to this school very interesting, and we assure them that they will always be welcome. To us the sight of so many young men and young women earnestly striving to fit themselves for a busy and industrious life, is an inspiring one. We sincerely wish this noble institution the success which it so richly deserves.

LARGE EUCALYPTUS.

The largest Eucalyptus Globulus (blue gum tree) that we have seen in the State is in San Jose. It is 17 years old from the seed, and stands in the beautiful grounds in the Lake House, near Delmas Avenue. Its height is estimated by good judges to be about one hundred feet. The trunk is two feet in diameter at the ground and has the taper to the very top of a very finely proportioned flag pole. The bark is smooth and free from limbs about half its height. It more nearly resembles a tree that was grown in a forest than one that has been exposed in comparatively open ground. The upper limbs seem very light, and foliage thin for a tree of so large a size. It is in vigorous growing condition, and bids fair to make an immense tree. A few acres of forest of such trees would be a fortune to any one. For all purposes the timber of the eucalyptus is, perhaps, the very best in the world.

The above was published in the San Jose Mercury in October, from a Stockton Paper, and we think we can best that tree.

We planted a small Eucalyptus Gigantea in 1861, then a slender plant, the tree now stands 30 feet high, and has been three times topped, is a wide spread tree with immense limbs, and now measure 5 feet 9 inches in its circumference, this tree can be seen at our residence, at the corner of Mason and Pacific streets, who can beat this?

The value of the "Eucalyptus Tree" is presented in our Horticultural Column, page 91, the Eucalyptus is not only one of the finest Ornamental and Shade Trees but remedial and curative in its properties, and also of great value for Timber and Cabinet work and other uses, and is fast becoming appreciated.

DESTRUCTION OF TREES.

A correspondent of an English paper writing of Canada, thus refers to the effects of the partial destruction of the forests of that Province: "The destruction of the neighbor forest has changed a fruitful land into a barren wilderness."

Trees afford protection from the cold and noxious wind. The early settlers in their small clearances surrounded by bush, could realize better melons in the open air than we can under glass. They raised better crops of every kind, the fertility of the soil being equal where now are our level winter roads. "Come with the bush a storm is king. One million of dollars would not compensate the Canadian people."

THE GRANGER'S MOVEMENT.

[Editorial.]

A very prominent event in the agricultural horizon is the influence now being exerted in the community by the "Grangers," who are taking action to regulate and in a measure direct and control the sales of their own productions, and this in order that they may realize the full value of their labor.

This is RIGHT, for there can be no doubt, that, as this Journal has always said, the cost of marketing their products has been at a heavy loss of ten, when with a united effort and large Sales Rooms where all could dispose of their produce under a good Agency, a much better result would be had for all.

Years ago, this Journal urged attention to this matter and suggested the establishment of Agencies on a large scale for the receiving and sale of Grain, Fruit, Dairy Products, Vegetables, &c., having good Warehouses, responsible Agents, and assistants, all open to the free inspection of all who consigned their products, and thus the expense divided on large sales and no losses, would not involve a cost of one fourth the usual commission paid now, while the amount realized on sales would all go to the producer.

This we urged for years, and we are glad to see it coming into operation, as we have noted by the "Humboldt Agency," on Doyle street, of Messrs. Brees & Lippert, and now a "Dairy Agency" is to be opened on Sansome street, under the auspices of the "State Grange," and John H. Begler, from the Bodoga Grange will act as Manager of this concern, it opens To-Day, thus inaugurating the New Year of 1874, in the Enterprise.

Most sincerely do we wish it a Happy New Year of success, and hope soon to see other Enterprises for Fruit, Vegetables, &c., enter the field and thus realize for the hard working farmer the full award of their earnings.

If the Grangers desire to win an enduring success and prosperity in their profession as Cultivators of the soil, and to acquire a high renown as Grangers, let them establish good Libraries in all their Granges, and let them become good students in every branch of their calling.

If Grangers desire to carry on a good reform, they must not work in the dark, they must not be led on by partisans, they must work intelligently, and in order to do this, they must become readers and thinkers, and become well acquainted with the all important questions in their own sphere.

To this end Grangers should, as we have said, establish good Libraries so that all can have free access to knowledge, for

"Knowledge is Power."

Nearly four years ago, we urged these views, at the same time that we presented the subject of "Patrons of Husbandry"—but then it was a New thing, now that it is understood, we trust it will be well established, built up on the foundation of Truth, Justice and equal Rights to all.

In the establishment of Libraries, we can materially aid, and shall be glad to contribute to that end.

CORN IN CALIFORNIA.

It is one of the greatest errors possible to suppose that Corn will not do well or produce well in California, we are fully satisfied that with due care and attention to the culture of it, it will become in future years one of our Great Staple Productions and be a large income to our State, for in former years it has been only experimented on in a small scale, and without faith or due care for its success.

Those who desire to experiment with it can have the best kinds, new and wonderful in quality and production, by calling at the Office of the CALIFORNIA FARMER, by making their wishes and plans known, the soil and location, the best sorts will be selected and presented FREE to each Cal-tivator.

INCREASE IN SHIP-BUILDING.

One of the most prosperous signs of the times for our nation is the "Increase of Ship-building," this is one assurance of an increase in our Production, demanding means of transportation to other countries.

The Secretary of the Treasury in his report to Congress, thus speaks of this interest for the past year.

The increase in ship-building in the country is decided. Official numbers were awarded by the Bureau of Statistics to 1,699 vessels of the aggregate tonnage of 313,743 tons, while during the year preceding, the addition to our mercantile marine was only 28,621 tons. From the 1st of July to the 1st of November, 1873, documents have been issued to 1,283 completed vessels, of 181,000 tons in all, while such reports as have been received, incomplete as they are, indicate that there were built-up in October last, 356 vessels of the tonnage of 177,829 tons, including 63 steamers, with a tonnage of 61,007 tons, of which 18 were steamers, with an aggregate of 39,492 tons, are in course of construction on the Delaware. Any legislation that will assist this industry, will, be it true, assist in turning the balance of trade in our favor, and should be encouraged.



Agriculture.

JERSEY CATTLE—THEIR VALUE.

REPORT OF THE JUDGES OF JERSEY OF THE NEW YORK STATE AGRICULTURAL SOCIETY.

Appointed to act as judges of Jersey cattle at your last annual exhibition, we performed the duties assigned to us to the best of our ability, and believe that the awards, if not in all cases satisfactory to rival exhibitors, will bear the test of close examination, and receive the approval of all who will take the trouble to examine each exhibited animal separately and by scale of points.

A summary of our decisions was handed to your secretary at the time of the fair, and we promised to forward a more formal report as soon as we could prepare it. We would accordingly respectfully submit the following remarks.

The number of animals upon which we were called to pass judgment was eighty-three, and, in addition thereto, three herds were competitors for the herd prize. It was the largest, and we believe, the finest display of Jersey cattle ever made at any of your exhibitions. There were some animals of surpassing merit; while none were creditable to the breed, and the general average was highly satisfactory, reflecting great credit upon the breeders and exhibitors.

The great interest now taken in this breed of cattle, manifested by the steady demand, the constant importations, the high prices paid for really fine specimens, the great number exhibited, and the attention bestowed by visitors, while the animals were under examination, made us feel that our decisions would be closely watched and criticized, and that it was incumbent upon us to give to the task our closest attention and strict impartiality. We determined to make use of the "scale of points," and, although we should have preferred to have used the scale established in the Island of Jersey, we used that which your Society has introduced, and which was furnished to us for the purpose. Fortunately for us, we perfectly agreed that no fancy points (such as black switch, black tongue, self-colors, and what Col. Le Conte, writing from Island of Jersey, alludes to when he says, "our farmers have not the singular variety of ideas as to the appearance and character of our breed which you described to prevail among the members of your club") were to be taken into consideration.

We believe the standard adopted by the "Royal Jersey Agricultural Society," for judging of the merits of the cattle of their Isle, to be the correct one, and if deemed necessary there, where only this breed is known and propagated, how much more imperative should be its use with us in arriving at our decisions, our eyes being accustomed to many breeds, and our tastes perhaps biased toward some other than Jersey cattle.

Invited, as all your judges are, to make such remarks or suggestions as seem to them proper, and relative to the class they are invited to pass upon, we would express our regret that the herd belonging to Mr. Fells did not compete for the herd prize. It was the best on exhibition, the most uniform in excellence, and contained the greatest number of high-prize winners, and it would have been gratifying to us to have awarded to it what was manifestly its due.

We assumed the pedigrees of all the animals had been approved by your board, and, therefore, put all entries on an equality in this respect, although there were some few fine specimens of Channel Island cattle, which seemed to us to partake of some of the peculiarities of the Guernsey as well as of the Jersey breed.

While believing that the only correct, impartial, and, to all concerned, the most satisfactory method of judging cattle is by using the "scale of points," we do not entirely approve of the scale in use for Jersey by your Society, and would respectfully submit that, in our opinion, the scale established in the Island of Jersey should be adopted. It gives one mark for excellence in each point, and nothing unless excellent, and requires an animal, to entitle it to a prize, to receive a given number of marks. By your system, an animal may be above mediocrity in all points, but excellent in very few, and yet win a prize. This could not occur in the Island of Jersey: Thirty-three points are there allowed to a bull, and none can obtain a prize which is not pronounced by judges excellent in twenty-seven points. To cows, thirty-six points are allowed, and to obtain a prize a cow must be excellent in twenty-nine.

In your scale, moreover, you allow of different degrees of excellence in pedigree. This seems to us entirely wrong. You adopt ten as the highest mark for excellence in pedigree on the side of the male, and the same on side of the female ancestors. Now, an animal either has a perfect pedigree or it has not. If perfect, all animals must receive ten points. If not perfect, the animal cannot be passed upon as a thoroughbred, and, therefore, has no place in the judges' ring.

As we have stated above, no pedigree was submitted to us. We assumed that your Executive Board had passed upon them before allowing the animals to compete, and we therefore gave to each the same number of points for pedigree, viz., your number, ten. We submit whether it is not better to drop these two items, "pedigree on male side, ten, pedigree on female side, ten," from your scale.

We would further suggest that, in order to facilitate the examination of stock, where the num-

ber exhibited is too large to admit of all, in any one class, being judged carefully by points in one day, a division be made, and two sets of judges be selected, so that the work may be got through with and prizes announced before the opening of the fair on the second day. It might prove satisfactory to owners it certainly would be instructive to visitors and breeders, to have a card, with the points of excellence allowed by the judges, put up on the stall of each prize winner during the remainder of the fair. This would expose the decisions of judges to much criticism; but this very criticism would be profitable to all, as well to judges as to each visitor and breeder as were interested in the subject.

Before concluding this somewhat lengthy report, we would express our appreciation of the uniform courtesy and polite attention shown to us by all the officers and employees of the Society with whom our duties brought us in contact; duties which occupied the entire days, Tuesday and Wednesday, and a portion of Thursday.

Respectfully submitted,
JOHN HAYES,
O. I. HAYES,
Judges.

DEFECTIVE HOUSE DRAINAGE.

Disease and grim death stalk through our fine dwelling-houses, disease and grim death of our own making. With utter neglect of the first principles of sanitary science, we rear brown-stone mansions and entire blocks of costly houses. We boast of the architectural beauty of our streets and squares; we surpass older nations in the comforts, conveniences, and handy arrangements for house-keeping. Our parlors are furnished with elegant and costly carpets, with artistic furniture. Our walls are decorated with beautiful frescoes and fine paintings. Articles of virtue, flowers and books add their charms to our happy homes. Large plate glass windows, ventilators and high chimneys are there to provide us with light and air. An ample supply of good water furnishes us the facilities for the cleanliness which is next to godliness. Ponderous looking stacks of pipes through houses and cellar appear quite sufficient to carry off all waste water and refuse. The numerous wash-stands, water-closets, bath-tubs, sinks, etc., are all connected with waste pipes of corresponding diameter, and supplied with traps. And of these traps I propose to speak now, as they are a prolific source of danger in our present system of house drainage. The respective technical names of these traps, or the material of which they are manufactured, does not affect their actual service and usefulness. In each and every case the principle involved remains the same, as they are calculated to retain a quantity of water in the lower part, acting thereby as a cut-off for the poisonous sewer gases. These traps are apt to be choked, and to form a new source of danger by accumulation of filth or by accidental obstruction. Ashes and garbage, broken glass and crockery, rags, paper, etc., are but too frequently found on examining a choked trap or drain.

The water, the supposed protector in the lower part of the trap against the baneful emanations from the drain, is frequently syphoned out. The syphoning action usually takes place at night.

When we are soundly asleep, cradled in fancied security, the impalpable subtle enemy, malaria, arises from the outlets of the very utensils introduced for the preservation of our health, for the prolongation of our lives, fanning us into deeper slumbers, like the wings of the vampire. Our system, depressed by fatigue and lassitude, is ill prepared to resist the insidious attacks of the deadly malaria, and every respiration fastens the poisonous fangs deeper into our blood.

Leakage in cellars from back water arises, when the street sewer cannot carry off a sudden influx during heavy showers, or from the use of vitrified clay or cement pipe in the cellar. Clay or cement pipes are in length of two feet; each piece is provided with a hub into which the adjoining length is fitted with cement.

The material is thick in body and quite heavy, and if not well supported on the entire line will settle, break the joints, and a new vent for the effluvia of the sewer is ready.

The upright soil pipe is usually of iron. To economize in space, recesses are formed in the walls for containing it. Hands and tools of the mechanic cannot reach to the side of the pipe nearest to the wall, and as a natural consequence the caulking is imperfect, and escape of sewer gas takes place from a source entirely hidden from view. And our very measures to guard against the ravages of disease frequently produce the opposite effect by false economy, carelessness, and ignorance.

No sanitary law can be too stringent, no inspection too frequent and scrutinizing, to furnish protection against the ravages of an enemy forever lurking in every corner, escaping from every crack.

And the question of house drainage and of trapping is of such vital importance that it should be introduced only to men well known for their experience and integrity.—LEOPOLD BRANDES, BROOKLYN, in Sanitarian.

BOUND VOLUMES OF FARMER

We are now prepared to offer the Back Volumes of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purpose of Libraries, etc.] Apply at the office. WARD & Co.

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POULTRY YARDS,

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ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly mated for breeding, at the following low rates:

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Light Brahms.....	\$10.00	\$15.00
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ALSO

Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Geese.—Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$5.00 per Dozen, Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Mammeth Bronze Turkeys Bred from First Prize Imported Stock weighing 14 pounds the Pair. Will spare Cocks a \$20.00, Hens at \$15.00. Trio at \$45.00.

Parties wishing Birds for Exhibition, will do well to correspond with me and ascertain special rates. Birds Imported on Commission. Please send for Circular and Price List.

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Alfalfa! Alfalfa!!

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with valuable data, by sending to the

Farmer Office,
820 Clay St.,
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THY

FAMOUS SEED WHEAT.

As there has been numerous call at our Office to see the famous Seed Wheat, known as the "Famos or Botta," and now advertised in our Columns by the Originator of this remarkable Wheat, we have obtained the second parcel, so that all who desire to secure the very best and choicest Wheat ever shown in California, can see the same at the

CALIFORNIA FARMER OFFICE,

820 Clay Street, up stairs,

OIL CAKE MEAL

THE BEST FEED KNOWN
FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing. Description of feed so greatly promotes the health of male and female stock, and we request all engaged in the dairy business, raising and fattening stock, or growing to give it a trial, feeling confident that they will find it of very great value. By those who have used it thoroughly, ONE pound is pronounced to be equal to two pounds of Corn Meal, and in the United States Government Report of the Department of Agriculture for 1883, it stands in the following relative to other feeds as to the percentage of food produced from a hundred pounds of feed, viz: Indian Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oat Meal, 18 per cent; Oil Cake Meal, 22 2-100 per cent. For those who are not familiar with the value of this feed, we will state that it is particularly valuable, increasing the quantity of milk and proving a quality to a greater extent than any feed known. A suitable quantity for cows at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other feed. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes the health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for Horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and gloss and sheen of the hair.

FOR SHEEP there is no article of food known that so does much fine mutton or so promotes the growth of wool. A small quantity given to chilled Cattle or Sheep will keep them alive and greatly increase their worth and vitality.

Approximate price (\$30 per ton) It is the cheapest feed market. It is now selling in New York at \$42 per ton, and at \$50 per ton in England, where it has been proved by long time to be in every respect the most profitable feed known for stock of all kinds—cattle being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Manufacturing Ring street, near Third. All orders will receive prompt attention. Address—

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POTATO PLANTER.

The Potato Planter—a Great Labor Saving Machine—by which a Man, Horse and Boy can do the work of

Twelve Men.

The Machine CUTS, PLANTS, and COVERS, and does the work admirably, leaving a nice finished field.

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Horticulture

Horticultural Influences of the Gum Tree.

At the last meeting of the French Academy of Science, a very interesting paper was read by M. Gumbert. Its subject was the alleged beneficial properties of the Australian tree, *Eucalyptus globulus*, which is said to have the curious and valuable power of destroying the malarious element in any atmosphere where it grows. The species in question is one of that family indigenous to New South Wales, which the colonists call gum-trees. They shoot up very quickly, and to an enormous height, some of them reaching one hundred and fifty feet, with a girth of from twenty-five to forty. The sparse and strangely-twisted foliage grows in a thin crown at the top of the pillar-like stem, but the characteristic of the whole genus is the rapid habit of increase, even equally in the "iron bark," the "blue gum," and this particular specimen, the *Eucalyptus globulus*. The tree in question absorbs an immense deal of water from the earth and at the same time emits an aromatic odor which has perhaps something to do with the beneficial influence attributed to it. Where it is thickly planted to marshy tracts, the subsoil is said to be drained in a little while as though by extensive piping. Malaria ceases, we are told, wherever the *Eucalyptus* flourishes. It has been tried for this purpose at the Cape, and within two or three years completely changed the climate of the unhealthy parts of that colony. Somewhat later, its plantation was undertaken on a large scale in various parts of Algeria, situated on the banks of a river, and noted for its extremely pestiferous air, about 30,000 acacias were planted. In the same year, at the time when the fever season used to set in, not a single case occurred; yet the trees were not more than nine feet high. Since then, complete immunity from fever has been maintained. In the neighborhood of Constantinople, it is also stated, was another noted fever-spot, covered with marsh-water both in winter and summer; in five years the whole ground was dried up by 14,000 of these trees, and farmers and children enjoy excellent health. Throughout Cuba, marsh diseases are fast disappearing from all the unhealthy districts where this tree has been introduced. A station-house, again, at one end of a railway station in the department of the Var, was so pestiferous that the officials could not be kept there longer than a year; forty of the trees were planted, and it is now as healthy as any other place on the line. Such are some of the facts brought forward by M. Gumbert. If they are well established, it would be most desirable to try whether the *Eucalyptus* would thrive on the West Coast of Africa, and other malarious districts of the warmer latitudes. It is affirmed that the sun-bower possesses a similar capacity to dry up the "moss" and neutralize miasma. Nor should we neglect these suggestions. There are more wonders yet in the vegetable world than are dreamed of in their philosophy. How passing strange, for example, is that property of the papaw-tree, to turn meat tender! A joint of mutton, steeped in a solution of its juice, becomes instantly succulent, and the flesh of animals laid upon its leaves "melts in the mouth" upon cooking.

GRAPE CULTURE ON THE HUDSON.

The traveler up and down the Hudson twenty-five years ago saw few grapevines. Now he may see hundreds of acres of the beautiful slopes which run to the river covered with thrifty vineyards. And there are enthusiastic horticulturists who predict that in another twenty-five years the Hudson will more than ever be regarded as the Rhine of America.

Some statistics furnished by the New Palis Independent of the rapid increase of the grape product of a single small section of Ulster county, illustrate this progress in a striking manner. Glendon school district is a little hamlet in the northwest angle of the town of Plattekill, north of Newburgh ten to twelve miles, and back from the river six or seven.

About fifteen years ago a nursery was established, and the labella grape introduced for the market. Others soon tried a few vines, and the cultivation of grape culture has since been rapid. In the season of 1873, twenty-one growers of Glendon school district, all from whom returns could be obtained, sold an aggregate of 35,000 lbs., at prices ranging from five to twenty cents per pound. The number of their bearing vines was about eighteen thousand.

Full statistics of the grape culture of the Hudson would show heavy figures and a great advance within a few years past.—*Albany Journal*.

GREEN TEA.

A very curious fact which arises as a consequence of the working of the Adulteration Act, is that during the past four or five weeks green tea have fallen in price to such an extent that very considerable loss has been sustained by the wholesale trade, it being estimated that thousands of pounds have been lost quite recently through this cause. As an instance, it may be mentioned that at public auction on Thursday some green tea were sold which showed a loss of \$3. per lb.—certainly a serious matter for the trade. None of these teas are really adulterated, but like most of the green teas, are "faded" in China, are not in the least injurious. In view of recent prosecutions, where in many instances loss have been most unjustly imposed, growers are naturally diffident about using green teas; hence the fall in the demand.—*The Green*.

SPLENDID VINEYARD FOR SALE.

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the Choicest kind of vines in heavy bearing order, as proof of their productive power, there was 3,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 25 Acres seeded to Alfalfa, and 20 Acres more of Summer Fallow land ready for seeding. There is now upon the place a good Dwelling House, hard finish of 6 rooms, with Kitchen, &c., a good granite walled cellar under the same, 15 feet deep—a Good Barn, a Wine House 44x22, with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmitts Improved Copper Still that cost \$1,200—a Grape Crusher, a Shed and Shop 15x20 with all needed apparatus, and Farming Tools sufficient for the place.

Choice Fruit Trees enough for Home use, plenty of Wood on the Farm, two fine Wells of Water and a running Stream of Water running through the land. This Vineyard is located two miles west from "Shingle Springs" in Eldorado county, only Three-eighths of a mile from the P. S. V. Valley Railroad, and is easily located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a GREAT BARGAIN, if applied for soon, Terms Cash. Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER.



Seeds! Fruit! Produce.

CHOICE FRUIT OF EVERY DESCRIPTION WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds always on hand.

Also Vegetables, Honey, Nuts, Butter, Eggs, Fish, &c., &c. Strictest care used in Packing Fruits and Produce for Nevada, Utah, Colorado and the Eastern States. Orders solicited by

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G. GROEZINGER,

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NATIVE CALIFORNIA

Red and White Wines,

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Northwest corner of Battery and Pine streets, SAN FRANCISCO.

NEW

Bulbous Roots—Seeds.

The undersigned have just received a new and fresh lot of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquils, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTHS VASES AND GLASSES.

ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

40.9 J Street, Sacramento.

THOS. A. GAREY'S Semi-Tropical Nurseries.

SAN PEDRO STREET.

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 263,

THOS. A. GAREY,

Proprietor.

LOS ANGELES, CAL.

Send for Price List.

WANTED. Business that will Pay

from \$1 to \$5 per day, can be purchased in your own neighborhood, and is strictly honorable. Particulars free, or sample worth several dollars that will enable you to go to work at once, will be sent on receipt of fifty cents. Address J. LATHAM & CO., 262 Washington Street, Boston, Mass.

Ornamental Trees, A BARGAIN.

The undersigned desirous of giving his entire time and attention to his Apiculture, and to confine his entire attention to the care and culture of his Bees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

GREAT BARGAIN.

As he is determined to close out all his Trees this Autumn. The following are now offered at very low low rates: 3,000 to 8,000 Locust Trees, from 1 to 4 years old, 5,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form 4,000 to 6,000 California Walnuts from 1 to 3 years old. 1,000 Circassian Mulberry Trees—very fine. 500 American Black Mulberry, the trailing species—the Fruit being very superior, the Trees great bowerers.

Purchasers wanting any of these Trees, are invited to visit the Nursery as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold. Address, J. S. HARBISON, Apiculturist, SACRAMENTO.

Or OLE GOODRICH, Riverside Road, 3 miles below Sacramento. 40.3



The Fourth Number of VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 5 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address, 39.23 JAMES VICK, Rochester, N. Y.

Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged. Address G. W. B., FARMER OFFICE. 39.17

PURE ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN BEES, raised and grown by the undersigned and reared in the HARBISON "PATENT BEE."

We can supply to the extent of 300 Good Swarms. These Bees require less care than any other Bees known and they yield more Honey to the Grower. Persons desirous of purchasing should visit the Apiary also and see the vast numbers of Bees at work, wherever there is a Flower there will be found the "Busy Bee" at work. Address J. S. HARBISON, 40.6 Sacramento.

THE CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the CENTURY PLANT and supposed to bloom only once in a Hundred Years is the *Agave Americana* or American Aloe, and is one of the most conspicuous and most desirable plants for a position in a large circle or front of a large border or in Parks at stated distances. In such places this plant, with PALMS, YUCCAS, DRACENAS and a few of this character give to the grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to their value.

We can offer fine large plants of the Agave at from 50 cents to \$1.50 and so securely packed as to go safely any distance, they can be shipped now or later in the year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to. WARREN & CO.

Valuable Tracts of Land.

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These Lands are located in different parts of the State—some in each county from SANASTA down to SAN DIEGO, all good Lands and can be sold on advantageous terms.

This List comprises about EIGHTY QUARTER SECTIONS.

MAPS, LOCATIONS, &c., AT FARMER OFFICE.

SEED WAREHOUSE

WHOLESALE AND RETAIL.

409 & 411 Davis st., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsman & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN

SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip, Parsnip, Carrot, Celery, Peas, Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

OBILI' CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass, Timothy, or Herds Grass, Orchard Grass, Rye Grass, and Red and White Clover. Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street, San Francisco.



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN Grounds renewed and replanted, or those who desire to have Grounds laid out and laid out upon Scientific principles, and with correct taste and skill, as

Adapted to this Climate.

can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

to small Gardens, in our City, will be designed and laid out, and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

None but Educated men ever engaged in such work.

Address WARREN & CO., Farmer Office.

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisements, and send bill. We receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes—there is one essential *Prerequisite* that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

DO TRY IT 3 Months for 10 Cents; or with \$3 Chrome, for 50 Cents. The National Agriculturist and Bee Journal is a sixteen page paper of 64 columns, handsomely illustrated in all its departments. One of the Best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Bee Book, or \$1.50 with a beautiful Seed for Sample Copies, and Liberal Terms to Agents, free. Write now.

40.6 H. A. KING & CO., 14 Murray St., New York.

COMMISSION SALES-ROOM

—AND—

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements, we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgements we will do our best to suit them.

Our charges will be five per cent. together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or, bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following:

THE POTATOE PLANTER,

JEBB'S PATENT OURN,

CHEESE CURD CUTTER,

PATENT WEDDING HOE,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS.

ALSO

TOBACCO SEED,

COTTON SEED

COFFEE SEED.

TEA SEED.

THE BEST KINDS OF

FIELD, GARDEN, FLOWER.

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind

GREENHOUSE AND BEDDING PLANTS. These are grown at our residence under our own care, where they always can be selected.

Any one desirous of having their Garden look gay through out the season, can be furnished with the plants at a reasonable rate, or applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and best system of Pruning all varieties of Trees, &c.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Travel over our Glorious State, we shall point out to the Traveler on the leading routes the BEST HOTELS, and most commodious and comfortable Homes for those who Journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Alameda Mines, and the most beautiful region around our city—we can truly commend them to whom we speak from a personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.

Callisto Hotel..... Callisto.

BIG TREES OF CALAVERAS.

Via Western Railroad and Copperopolis.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE, ALMADEN MINES, &c.

The Aurora Hotel..... San Jose

SANTA CRUZ AND THE BEACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clerk & Moore's Hotel..... Clark's Station.

YOSEMITE VALLEY.

Mitchell's Hotel..... Yosemite Valley

MARIN COUNTY.

Merita Hotel..... San Rafael.

Travelers who are strangers can rely, that at these Hotels they will find the best and kindest attention and courtesy, and will never be imposed upon by exorbitant charges.

TYNE BEACH. S. W. CHURCHILL.

Auzerais House,

SANTA OLARA STREET, SAN JOSE.

S. W. CHURCHILL & Co., Proprietors

Auzerais House Coach and Carriages in attendance on arrival of trains.

37.6

THE CALIFORNIA FARMER,

SAN FRANCISCO.

THURSDAY EVENING, JAN. 1, 1874.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

320 Clay Street—Marble Building—Up Stairs.

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Insects, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences, with a Cabinet of Minerals, Coins, and Curious objects of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any later space. Each subsequent insertion half the first. This is the lowest and the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

Send for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

W. M. PETERSON & Co., 10 State Street, Boston 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall give attention to such articles in each issue of our JOURNAL, to which we would direct their special attention.

We invite attention to the following in this New Year's issue:

Our "Home Department" offers several very important themes, worthy of careful consideration, especially "Selfishness," the great Bane of life, the "Unappreciated," these are worthy of consideration.

Our "European Letter" has valuable information on several subjects.

Education by our esteemed Correspondent, "Clara Albertson" presents views worthy of special attention.

Chronicles.—We have received several Chronicles of superior kind, just as we go to press, a full account of them in our next. The "Overcups," "Good-Morning," "Good Evening," "Yosemite" and others.

Peter's Musical Monthly.—We are in receipt of Peter's Musical Monthly, published at 188 Broadway, New York, a valuable Musical Work, costing but 30 cents a Number, and containing Music worth five times the cost, a work of 40 pages full of Music.

Deferred Articles.—"Railroad Freight," and this "Prosperity of our State," "Report on the Grain Harvest," the "Best Trees to Plant"—all next week.

PLEASE REMEMBER!

We should in justice to ourselves ask our Subscribers to bear us in mind when they are looking over "Bills payable," that "Grains of Seed" make the Bank of the Sea, and the little drop fills it, so our Bank may be made, if all indebted to us would kindly and promptly send us the drops due us, and now widely scattered in many thousands of hands—please remember at this Season, how excellent is the "Golden Rule."

THE NEW YEAR IN TEARS.

The New Year opens with steady rains much to the discomfort of those who are anticipating the happy exchange of Salutations for the year but all must submit to Nature's Laws.

MADAME ANNIE BISHOP.

This distinguished "Artist" has again returned to our City, after giving great delight to thousands in various parts of the State, we hope that even an English Opera Season may be inaugurated in our City, it would be liberally patronized.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us freely at all months or weeks of the year—this is our custom, those who are in want should always call when in the city we shall be glad to see them at our Reading Room, always open and free to all.

WINE CASKS.

Purchasers of Wine Casks who wish the Best made, should go to Messrs. Coppage & Co., on Jackson street, they make the best, their work is always well done, and of the very best material.

THE OLD YEAR AND THE NEW.

There are moments of life that we never forget, which brighten and brighten, as time steals away, they give a new charm to the happiest lot, and they shine on the gloom of the loneliest day.

Never were words of the Poet more truthfully verified than they have been with millions of loving human hearts, in the associations of the past few days of the happy "Holiday Season" for it has been a time when these "moments of life" spoken of by the Poet have been fully awakened, and clouds of the past have been obscured by the bright rays of the present joys that indeed gave a charm to the loneliest as well as the happiest hour.

Yesterday was 1873, To-day is 1874, the Volume of that year is written, the Book closed, its Trial balance made, a new Volume is now opened for all, whether its pages shall be written in brightness, and wreathed with a prosperous tangle of Life, Joy, and Happiness, or shadowed with sorrow and grief, is wisely bid from human ken, and it is far better for us that it should be so, for a knowledge of too much joy would make us vain and proud, and too much grief might wreck the mind, we should be content with the decision and His promise.

"I will put no more upon thee than thou art able to bear."

The "New Year" opens upon all who are dwellers on the Pacific Slope with the most favorable auspices: The arts of trade are in a very prosperous condition, our Manufactures are increasing in a ten fold ratio, our Mines are rolling out the Gold and Silver by the Millions, and while our Agricultural productions now astonish the world, the present extraordinary prospect before us, gives promise of a year of still greater abundance in every portion of our agricultural domain.

California occupies a conspicuous position at the present time, and an enviable one too, for while all the other States have been rent by monetary disasters, California stood like a rock and has passed safely over the stormy tide unharmed, and to-day is without doubt the most prosperous State in our glorious Union.

Well may we exclaim as a people "our lives have fallen to us in pleasant places," and for the great blessings we enjoy, we should be deeply grateful to the "Giver of all Good."

When we compare our State with others, our Genial Climate with the Frozen North, our Healthy breezes with the "Pestilence that wasteth at noon-day" in other lands, while we are free from the Whirlwinds and Tornado, and the many evils of War and Famine, living in a land of luxurious plenty, should we not at such a period of time while enjoying such a rich inheritance let the heart go out in its fullness seeking to do good and confer blessings on all around us.

When we review the past year with all its trials let us be thankful that we have been carried through them safely, looking to the opening "New Year" with "Hope," ready to greet all humanity with a "Happy New Year," resolving that we will do our best to merit the "Smiles of Heaven" and win the favor of the Wise and Good around us, bearing in mind always to be generous and forgiving, and ready to aid in every good word and work to the utmost of our ability, so that every New Year shall leave a record that we have not lived that year in vain.

OURSELVES.

On an occasion like a New Year and especially our Twenty First Year, we know we shall not be esteemed Egotistical if we claim a small space to say a few words for ourselves.

TWENTY YEARS we have been at our Post as Editor and Proprietor of the FARMER, and Twenty Years we have given the best energies of our being to advance the cause we espoused in the early days of this New Country.

Twenty years ago how few were the Agricultural products of this State, now, how Grand, then it was esteemed chimerical and vain boasting to tell of the future Wealth in Agriculture! Yet we had Faith, we commenced with our Journal, and labored on and on, amid all opposition, trials, losses and discouragement, and for Twenty Years we have given all there was of us for this cause, and although we may not have accomplished much for ourselves in this world's wealth, or honors or titles, we have by the Blessing of Heaven been permitted to labor on and to see our Faith in the Agricultural Riches of this State developed until now, CALIFORNIA stands forth confessed the Richest and most Productive State in the Union, and yet her Grandest Good is not yet attained.

We greet To-Day many old Pioneer names on our Records, and hail them with Joy—we shall labor on, rendering our first, best, grateful thanks to Him who has given us strength to labor, and returning our most grateful acknowledgments to our many generous Patrons, we can only say, we need not make a display of what we shall do in coming years, but like the needle to the Pole be True to our first cause, our first love, AGRICULTURE.

Most sincerely do we tender to all our Patrons and Friends Abroad, as well as here at Home, (for we have Patrons the world over) our best wishes for their Happiness and Prosperity, may their Banks of earth yield a thousand per cent., their Granaries be filled, their Wine Presses running over with Rich Wine, their Orchards bending with luscious Fruits, and their "Homes" Happy and Blessed.

And if it may be their pleasure to remember us in our labor for these long years, and use their influence among friends and neighbors to increase our List of Patrons, we shall duly acknowledge such kindness and mark their names in our book of "Pleasant Memories."

A VINEYARD—A BARGAIN.

We invite special attention to the Vineyard advertised in our Columns, it can be had at a very Great Bargain—one rarely met with, a Vineyard that will clear itself in three years.

THE LAND MONOPOLY—TAXES.

There can be no question but that a very great and serious drawback to our progress as a State, has been the result of having such large tracts of Land owned by parties who hold on for speculation, and are unwilling to sell at any price, although they will lease for a term, or on shares of harvest.

These thousands and hundreds of thousands of acres are in localities that would have been peopled by industrious Farmers if the lands could have been purchased, but these owners will not sell, yet they pay little or no taxes, claiming that those are "Waste Lands," and yet they ask two, three, or five dollars per acre on a lease to gold—or will take any third or one-half the crop as a rentage of this "Waste Land," and thus they are receiving large and valuable incomes from lands which yield little or no income to the State, while at the same time the hard toiling Farmer is paying the full amount of his valuation, it is a notorious fact that our Farming interests are bearing the burden of all the Taxes in the "Rural Districts," while the large land holders escape, by the plea of "Waste Lands."

Our Legislators must remedy this, Tax these lands to their full just value, this would bring them into sale, and thus build up our State by New Settlers and large improvements, and more real taxable Property.

Our Legislators came into power as Reformers, let them look to this Land Monopoly and take these valuable lands from the list of Waste Lands and Tax them justly, this would take a heavy burden off our Farmers in their Taxes, as it would greatly lessen them, they have borne the burden long enough.

Who among our Legislators will take up this all important subject, and while they secure to the State a just return for large landed interests that have for years escaped a just share of the Taxer, they will also do an act of Justice to our Farmers by relieving them from an unjust amount they have so long paid.

We hope this subject will receive immediate attention in our Legislature, we commend it especially to the "Committee on Agriculture."

THE JERSEY CATTLE.

This superior breed of Cattle is not as well known as it should be. We place in our Agricultural columns, page 90, the Report of the Committee of the New York State Fair, which presents them as they should be. The Report will be read with interest, showing as it does how Committees should Report on Stock.

The Jersey Cattle are coming into favor very rapidly in the East. The large number at the New York State Fair is a proof of it, it is a singular fact that Jersey Butter commands fifty per cent higher price than any other butter at the East.

We have several fine herds of Jersey Cattle in our State, and they are coming into favor steadily, the richness of the Milk, and the great superiority of the Butter has won great favor towards this class of Stock.

Among those who have the Jerseys in our State we can name A. Mallard, of San Rafael, Maria County, O. B. Polhemus, of Santa Clara, J. B. Emerson, Santa Clara, P. L. Weaver and J. B. Haggis of this city, and others. Although not a class of Cattle that make so fine a show as the Darhams or Devons, yet they are a superior Stock and worthy more attention among our Stock Raisers.

OUR LEGISLATORS.

The Holidays have given our Legislators a very happy period of Rest, and we feel assured they have improved it, the most of them in the "Happy Family Circle," others who may be single, with friends and kindred in all those social enjoyments that make life worth having.

These happy days over, our Legislators will return to their duties, refreshed and invigorated, and ready to engage in active work for the People's highest interests.

The "Great Senatorial" struggle is over, and as it appears satisfactory to the masses, we will hope all the important needs of our State will have prompt attention and speedy work to their wise completion, for by all proof thus far of our present Legislators, we have a Body of Working Men, who will accomplish much for the good of all.

THE PACIFIC MAIL COMPANY.

It is very satisfactory and also pleasant to announce that the Old Line of Steamers, so long identified with the upbuilding of this Coast, have now after the great losses they have experienced in the wreck of so many Steamers, opened up a "New Era" for this Line, by the building of Four Splendid New Steamers of great capacity and power, and other valuable improvements, so that now greater promptness and efficiency, and more comfort will be rendered to all who travel on this Line.

The New Agent, Edward Higgins, Esq., has entered upon his duties with an energy of action that denotes success, and our people may look for a grand success for the Pacific Mail Company in future.

EMINENT MUSICAL ARTISTS.

We have received from Gray's Musical Warehouse a collection of Photographs of Eminent Musical Artists, those whose names have become "Celebrities."

Among those received are "Guido Reni," "Fra Bartolomeo," "Carlo Dolci," "Salvator Rosa," &c., Mr. Gray has a large collection from the Studio of "Saidnor," Broadway, New York.

REGISTERED LETTERS.

The price of Registered Letters which has hitherto been fifteen cents each to any part of the United States, has been reduced to eight cents each, commencing this day—a wise move on the part of our Government.

THE ABUNDANCE OF RAIN.

The long continued, and the great abundance of Rain that has fallen all over our State has secured beyond peradventure such a wetting to the soil down deep as to do away with doubt as to the want of moisture for this year.

We believe the amount of rain that has fallen will now foot up greater than the rainfall of any year previously since '49, even surpassing that of the heavy rainfall of 1861-2—the flood year—the amount in our City to date is over 18 inches.

Our Farmers will undoubtedly be anxious to plow, and put in their Grain as speedily as possible, but we hope they will not so haste their work as to plow, or try to move wet soil, nothing could be so injurious, nothing so fatal, nothing so certain to destroy and paralyze the nutritive properties of the soil as to plow or dig that soil when wet, the soil should be in a condition to roll like meal if possible, and plowed in clear weather, so that the rays of the sun shall cause it to smoke when it is turned over, then good work is done.

ORNAMENT YOUR GROUNDS, WATER FOUNTAINS.

Those who may now be laying out new and pleasant "Homes" and wish to make them beautiful and valuable—to give them an increasing value in case they should desire to dispose of them—should make these permanent improvements, even ornamental, which will add to their attractive beauty as well as value intrinsically.

One of the most valuable, beautiful, healthful, and attractive features in the grounds around a beautiful Mansion is a "Water Fountain," not only pleasing to the sight, but refreshing to the senses, by the cooling breezes it induces on all around, not only on mortals, but Trees, Plants, Flowers, even the dumb animals speak their thankfulness for the refreshing which a cooling Fountain gives to every landscape.

In times past the cost of a Fountain would deter its erection, but now since the Manufacture of them by the "Fountain Stone Company" everybody can have a handsome Fountain at little cost, with other Ornamental work in the Grounds, of Columns, Statues, Copings for Fences, &c., all at very little expenditure, and all adding greatly to the real value of the Estate, four times in case of sale, of the original cost.

The Fountain Stone Manufacture is a place where every one who designs building a handsome Residence should visit, as they would desire to incorporate into their Building, or as Ornamental work, thus adding Beauty, Ornament, Strength, and value of the Property, and procuring them cheaper than any other material.

We would urge all builders to call at the Factory, see the very interesting processes of the Manufacture of this Stone, and V. Oshing, Esq., the Manager, will be glad to show any one the New products and the work made, which will amply pay for the visit.

INSURANCE FOR A NEW YEAR.

Among the many important duties of the "New Year" in order to secure Success and Prosperity, there is none more imperative than, the duty of being well safely Insured. Home, Business, Warehouses, Farm Houses, Tools, Hay Grain, Stock, &c.

Of what avail is it to toil and labor if after years thus spent—a flash and all is gone. Wisdom and prudence, safety and happiness, demands that the duty of securing a Policy of Insurance on all property is one of the first duties to be attended to.

With this view, we call special attention to the Insurance Agency of Messrs. Hutchison, Mann & Smith, in our Columns. This Firm have the Agencies of several good and solid Companies, and are doing a large and safe business, in fact one of the largest and best insurance business done in our City, and for the past year have been peculiarly fortunate in escaping losses.

This Agency have Millions of Capital to loan upon, and with this and a wise and skilled management offer the Best Inducements.

THE PIONEER HORTICULTURIST OF SACRAMENTO.

That well known Horticulturist of Sacramento, A. P. Smith, Esq., proprietor of "Smith's Gardens" is, we deeply regret to learn, now dangerously ill of Typhoid Fever, and fears are expressed in regard to his recovery.

The many friends of Mr. Smith will regret to hear this news, and earnestly hope for his restoration, no one man in all the great "Sacramento Valley" has done so much to create an interest for Fruit Growing as A. P. Smith, his efforts have added much to the wealth and improvement of the whole region of Sacramento, and in fact our whole State.

A CHRISTMAS GIFT TO A TEACHER.

One of the most acceptable and permanent Gifts of "Christmas Day" was that of a Distinguished Obergymnas, of our City, recorded thus:

"Presented by Rev. A. S. Stone to F. O. Woodbury, Esq., a Wife, one of the best Gifts bestowed on mortal man."

The Marriage of Mr. Woodbury of "Heald's Business College" to Miss Clara Snell, one of the distinguished Teachers of that College, is an event worth noting, among the happy ones of that Happy Christmas Day.

May a long life of Prosperity and Happiness follow from it to the newly Wedded Pair.

WHIP MANUFACTORY.

One of the most interesting Manufactures in our State is that of Messrs. Main & Winkler at their Warehouse on Battery street, their extensive Whip Establishment.

The style, quality and finish of their Whips is equal to any made in our Country or Europe, and it should be the pride of our citizens to give preference to our own Manufactures.

Go visit the Manufactory and be convinced.

We occupy large space in this our New Year's Number for the cause of Education, and this is our reason:

Of what avail is our favored climate and productive soil, if the people are allowed to rust in Ignorance, the nursing mother of Crime?

Of what avail to improve the adults, and allow the youth, who are so soon to take the place of the adults, to grow up in Ignorance and become Hoodlums?

We have Universities and Schools of high character, yet thousands of our youth are neglected and exposed to ruin.

We rejoice that our Legislature are alive to the importance of Compulsory Education, let it become the "Law of the Land."

We rejoice that public interest is awakening to this subject. We want more Practical Education, and we present it in "Heald's Business College," an institution to fit the student for the active, practical duties of life. Pres. Gilman of our University, Pres. Hallidie of the Mechanics Institute, and many earnest friends of Education are alive to the great importance of educating the masses for the safety and salvation of our State.

We rejoice at these propitious signs, and may the good work go on and prosper.

ST. IGNATIUS LECTURES.

One of the most interesting Scientific Lectures ever delivered in our City was given on Tuesday Evening at St. Ignatius College by Professor Neri.

This gathering of a few invited guests witnessed the operation of an American invention of induction coil sold to surpass any yet known made by Messrs. Ritchie & Sons, of Boston, Mass. and contained 28½ miles of insulated Copper wire, with nearly 400 feet square of tin foil on the Oil Silk.

The experiments were a complete success, and of a remarkable and beautiful character, showing electric sparks connected of 1½ inches long.

Many experiments of rare beauty and interest with colored lights through hollow tubes in various glass figures thus brilliantly illuminated the Hall. A very scientific audience were surprised and delighted at the success of this Noble Triumph of American Invention.

Professor Neri announced a course of six lectures, to commence about the 15th January which will give the public a chance to see some of the grandest experiments ever yet made by Electricity.

Great credit is due to the St. Ignatius College for its liberality and efforts to advance science, great credit. We shall speak again on this subject.

RICH UPHOLSTERY, FURNITURE, CARPETS, &c.

The College Building Illustrated on our Front Page this week bears the names of Messrs. P. Bazz & Co., one of the largest and most complete Establishments in our City, where choice and select styles of Goods named in their Card in a Column can always be found.

We would particularly invite our readers to visit this Establishment, confident they will be surprised as well as much pleased at the styled Goods offered.

The Carpet Department is very extensive as well as rich in New designs.

The Upholstery Goods cannot be surpassed in Elegance or quality of the material.

The Furniture Sets, with rich and special patterns of their own style will be found very beautiful, and the entire Stocks in each Department will be found at prices highly satisfactory to all purchasers.

Visitors to the Warehouse of Messrs. P. Bazz & Co. will always be satisfied with the purchases in style, quality and price. (See Illustration and Advertisement.)

BAGS AND BAG MAKING.

Much has been said during the past Season about "Grain Bag Monopoly," high rates of 40¢, and warm discussions held by "Farmers Clubs" and "Grangers" with efforts on their part to form Associations to import the material and make Bags, or Import Bags for Farmers' use.

To carry out that system, a large amount of material and Bags were purchased, but the result was not as well as if they had been purchased from the regular Manufacturer, and Dealer.

Among all the plans to cheaper Bags by purchasing, we believe it has been found that old and long established Firm of

NEVILLE & CO., on CLAY STREET.

have done the best by the purchasers of Bags any House on this Coast, their long experience in the markets, their facilities for Manufacturing so excellent, that they can turn out Bags by Thousands at short notice, and furnish them in ways at the very lowest rates, their Establishment is one of the largest and best in our City, scores of the best workmen, ample Capital, larger trade, purchasers can always be supplied on the very best terms.

Messrs. Neville & Co., are Manufacturers of Hydraulic Hose of all sizes, Tents, Wagon Covers, and whatever others may do, or desire, lofty pretensions they may make, Neville & Co. will always aim to be ready, with an ample stock of good Workmen, and they respond to the orders of their Friends and Patrons at short notice and deal with them on the very best terms in the most liberal manner.

FEED THE BIRDS.

The long severe cold wet weather has been hard upon "the little Birds" that hover about our dwellings, and at every break of the sun they hop down upon the ground to look for food. Now "Remember the little Birds" and go out and scatter the crumbs for them, give them a Christmas Festival too, and thus get a rich reward, their cheerful chirps of thanks as they gather your Feast.

"Remember the Birds."

New Advertisements.



MAGNIFICENT
FURNITURE.

THE LARGEST

—AND—
Most Complete
STOCK
In the World!

—AND THE—
Superior Quality

—OF—
OUR GOODS

—IS—
Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY
are being constantly introduced,
in addition to our

Immense Assortment

OF PLAIN AND COMMON FURNITURE, that cannot
be equalled.

NEW ARTICLES of our own manufacture, warrant-
ed to stand any climate.
San Francisco made goods sold at Factory Prices, but
NOT GUARANTEED.

Elegant, Ornamental and Useful
Articles,

—FOR THE—
HOLIDAYS

NOW BEING
RECEIVED DAILY,
ALL OF WHICH

We Propose to Sell at
Extremely Low Prices.

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Furniture Manufacturing
Company,
220 to 226 Bush street.
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50,000

EUCALYPTUS

TREES.

Eucalyptus Trees 8 to 10 feet high,

Trees 6 to 8 feet high,

Medium Trees 4 to 5 feet high,

Third size 3 to 5 feet high,

Second size 2 to 3 feet high,

The Mass size 1 to 2 feet high.

These Trees are of a good Healthy growth,
and can be packed to go any distance safely
and will be sold low in large lots.

Address, or call at the
40.12 **FARMER OFFICE.**

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FINE FURNITURE,

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Upholstery Goods,

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The Finest and Largest and Cheapest assortment of Goods
in our line ever offered in this market.

ALL STYLES OF CURTAINS AND CURTAIN
MATERIAL.

FURNITURE ALL STYLES AND PRICES,

Carpets from the lowest to the highest Grade in
New Styles

FURNITURE IN NEW AND UNIQUE DESIGNS.

An examination of all Goods and Prices respect-
fully solicited.

PLUM, BELL & CO.,
23, 24, 26, and 28 POST STREET,
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THE

American Chief

PREMIUM

GANG PLOW,

BY

MATTESON & WILLIAMSON.

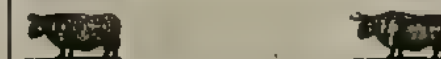
These Gang Plows have taken the Premiums at the
State Fair, and at the District Fairs whenever exhibited, and
have often as many honors as any other Gang Plow made.

The American Chief is the result of years of study
and experiment by thorough practical mechanics who are
Plow makers by long experience in this work.

This Plow is constructed to meet the wants of our Farm-
ers, quickly adjusted to all its parts, and so easy in its
working that the tongue of the Plow will move over any
change in the surface of the soil without deranging the shares
of the Plow.

By the perfect construction of the Plow, its wheel is the
governing power, while the plowman may move on in his
work in confidence that it may be done quickly and com-
pletely. So admirable has it proved by the hundreds that
have used it, that it is admitted to be the best Gang Plow yet
manufactured.

For Circulars or particulars and for purchase.
Address **MATTESON & WILLIAMSON,**
40.8 **Stockton, Cal.**



THOROUGHbred

CATTLE

FOR SALE.

WM. FLEMING, OF BROWN'S VALLEY, NAPA
CO., offers for sale One Devon Bull, EARL OF LEI-
CHESTER, 2 years old—a superior animal.

One Devon Cow, VICTORIA, now with calf, 4 years
old.

Also One Heifer—a fine animal.

The above Cattle have taken the Premiums at the
District and State Fairs, and will have full Pedigree
guaranteed. 40.9.2m

SEED WHEAT.

I now offer to farmers of the State a quantity of that un-
equalled variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Ton. For one Ton and upwards Four
Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Nourse, Chico, or Wm. Van
Wort, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF
BUTTE" to Wheat Raisers are its great prolificness, small
amount of seed required, short, stout straw adapting it to
rich lands and bumper follow. For quality and quantity of
Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize.
The Four medals from it also won the Premium.

WM. VAN WORT,
40.2 **Nord, Butte County, Cal.**

The Napa 3-Wheeled Iron Gang-Plow.

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the superintendence of
D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by
its many superior qualities, become the

**FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.**

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.
Second. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and low-
ering, without any exertion on the part of the driver.

Third. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three.

The plow is raised or lowered without lifting the driver's seat, and thus this weight is avoided.

Fourth. THE LINE OF DRAFT. It is a center-draft plow. An adjustable clevis connects directly
with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts
itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.

Fifth. EASE IN TURNING; by means of the rear wheel the plow can be turned with ease in its
own length, making a great saving in time in the course of a day's work.

Sixth. IT IS EASY ON THE HORSES' NECKS. By resting the driver's seat on the rear end of the
pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.

The following testimonials show what farmers think of it:

"We, the following farmers, were present at a recent trial of this plow and found two mules to do
excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.)
Jesse Grigby, Benj. McCoombs, A. Y. Clark, W. H. Gibbs, J. J. Ragsdale, E. D. Sawyer, D. O. Waller, M.
Reveras, and others." Messrs. Nathan Coombs, J. D. Blanchard, Van Pelt and others, also testify to its
merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

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PHOTOGRAPHIC
SUN PEARL

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618 and 620 Washington Street,

Having opened, under the above name, a First-
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Is fitted in the most elegant style, and a number
of first-class artists are engaged, who will en-
able the undersigned to produce Photographs
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any other similar institution.

Our Motto shall be, "First-class Work
and Moderate Charges."

W. F. & N. J. BAYLEY,

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WAX FLOWERS

AND

WAX FOLIAGE.

AND ALSO

THE NEW METHOD OF MAKING
WAX FLOWERS AND FRUITS.

the Preparation of the Foliage and Flowers and
Plants of every kind as now taught by

Madame Herman, of New York

ANY LADY OR CHILD
over eight years of age, can now learn Madame Herman's new
method of making Wax Flowers for only \$2.50 by purchas-
ing her new book of instruction and an entire set of moulds

Or her book of instructions in the beautiful art of making
Foliage, which is a perfect representation of the natural
leaf and made without needles or scissors. Price only \$1.00.

These books can be had from the author MADAME HER-
MAN, No. 115 West 41st Street, New York, or can be had
at the OFFICE OF CALIFORNIA FARMER.

42.12

THE CORHAM

PREMIUM BROADCAST

SEEDER

AND

CULTIVATOR

COMBINED!

The Premium Corham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the
State Fair at Sacramento in 1872, also at Modesto and
Chico—the only places it was entered. The Corham
Seeder has been awarded the highest merit that prac-
tical farmers can bestow, wherever it has been intro-
duced. Letters from the various Agents throughout
the States of California and Oregon speak of the suc-
cess and the perfect manner of its working, together
with the great saving of seed, time, and money in
sowing and covering, even beyond their most san-
guine expectations. This celebrated machine is de-
signed to supersede all other processes of sowing
and covering a greater amount of work, and bet-
ter work, with a saving to the farmer from one-fourth
to one-half the ordinary expense. From many sources
comes the intelligence that one of the Corham Seeders
will pay for itself from one to three times the first
year, and with ordinary care the machine will last for
ten years. MAKE THE COMPARISON, AND BUY
A CORHAM SEEDER.

Read the numerous letters from practical farm-
ers who have used it on the Pacific Coast. Any one
desiring to learn more particularly of its merits, is re-
spectfully invited to write to any of the parties men-
tioned herein for such information.

Modesto, April 20, 73,
A. H. BUNNEN—Permit me, as well as so many others, to
say something in praise of the CORHAM BROADCAST SEEDER
and CULTIVATOR. Last winter I bought of W. J. Houston, of
Modesto, the Sixteen Foot Seeder; after using them, I find
that for saving of time, labor, seed and expense, and the per-
fect manner of doing the work, that I have no hesitation in re-
commending them to every farmer as one of the best Machines
in the world. Too much praise cannot be said in favor of the
Seeder. Respectfully,
J. W. MITCHELL.

WALSH'S RANGE, COLORADO Co., March 5, 1873.
Messrs. A. J. BUNNEN.—We have used the Ten Foot Cor-
ham Broadcast Seeder and Cultivator, purchased of you, and
cheerfully testify to its merits. We liked it so well that we
shall want to purchase another. We have sowed about Five
Hundred acres with it this year, giving it a fair trial. If we
could not replace it we would not take a thousand dollars for
the one we have. The Machine will accomplish all you re-
commended it for. One of our neighbors has one and speaks of
it in the highest terms. You can see this if you wish for pub-
lication. Yours truly,
SHERMAN & VEROKER.

A. J. BUNNEN, Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
At KELLER'S & Co. Ag. Warehouse,
J Street, Sacramento.
40.6

**RANDALL'S
GREAT SHEEP BOOK**

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Ex-
press, charges paid, \$2.50. Send for the Farmer
WARREN & O'.



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IN URANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

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LOCAL AGENTS.

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TRY IT!!

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Lawyers, and People of all Professions, will find the SCIENTIFIC
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Instruction."

Harper's Bazar.

Notices of the Press.

The Bazar is edited with a combination of tact and talent
that we seldom find in any journal; and the journal itself is
the organ of the great world of Fashion—Paris, New York.
The Bazar commands itself to every member of the house-
hold—to the children by droll and pretty pictures, to the
young ladies by its fashion-plates in endless variety, to the
prudent matron by its patterns for the children's clothes, to
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Bazar is universally of great excellence. The paper has so
gained a wide popularity for its broad enjoyment it affords
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Back Numbers can be supplied at any time.

The six volumes of HARPER'S BAZAR, for the years 1868,
'69, '70, '71, '72, '73, elegantly bound in green morocco cloth
will be sent by express, freight prepaid, at \$7.00 each.

The postage on HARPER'S BAZAR is 20 cents a year,
which must be paid at the subscriber's post office.
Address **HARPER & BROTHERS, New York.**
40.7

Miscellaneous.

NATURE'S SOAVERS—A TINY HOST.

The elegant and unobtrusive pool by the road side furnishes a beautiful illustration of nature's workshop. Ordinarily imperceptible agents, and apparently insignificant instruments, are producing changes and results of the utmost importance to man. To the superficial observer these creatures (we are speaking of animals) appear to have been created for no other purpose than the multiplication of their species. But the progress of science shows that their eggs are for ever floating in atmosphere, waiting here and there, until called into active life by conditions favorable to their development and maturity.

The stagnant waters on the road side take up dust and organic matters from the air. With this dust and organic matter are also taken up, which, under the exciting influence of moisture and heat, are soon developed into a mass of vegetation, consisting mainly of conifers, oscillators, desmidia, etc. The rapid growth and the unlimited power of reproduction in these simple organisms is wonderful, and their colors and designs of great beauty. But death and decomposition soon take place as a natural consequence of their simple organization. Poisonous gases are evolved, and such pools become sources of danger, poisoning the air.

Under certain special conditions, which are not yet clear, these efforts may produce fever, and other diseases; or they may communicate a more malignant character to any existing disease.

But here nature steps in to remedy the evil—supplies her own antidote. The eggs of animals which have been absorbed by the same water simultaneously with the vegetable spores, have hitherto lain dormant; but now that by the growth and multiplication of vegetable matter sufficient food is provided, these eggs begin to develop. Every drop of this water rendered offensive by the decaying matter is now swarming with cyclops, daphnia, rotifers, vibrionas, and myriads of other living animals. These minute creatures are nature's scavengers. Their function is to destroy the offensive and otherwise poisonous emanations of vegetable decay. They know of no pleasure, of no sleep, of no rest, until they have done their full duty. They keep on feeding and eating and gorging themselves, without gaining either in weight and size. The green scum gradually grows paler, the water shows a cloudy appearance, begins to settle and clear gradually, and with the returning clearness of the pool these animalcules give up their lives. Microscopic shells only remain as monuments of their brief existence.—The Sanitarian.

A JOLLY OLD PARTY.

Mr. Allen Ferguson, of Amsterdam, Va., who is 72 years of age, lately rejoined his mother in Appomattox county, who will be one hundred years of age on the 6th of January next! The good lady was delighted to see her boy, and to promote his pleasure, and to gratify that hereditary social feature of Tuckahoe character yet glowing in her own heart, determined to give him a party, which she did by inviting seven of Allen's school-mates dine. Of the eight school-boys thus brought together, Allen was the youngest, the other seven ranging in age from seventy-five to eighty-five years. Among other topics discussed at the dinner-table, that of longevity was introduced, and it was the only subject of the party that most of our modern health doctors are due to the fashionable bills of fare now commonly found through the country, and that "Hog and Hearty" are the best promoters of health and long life.—Frisco, (Va.) Herald.

WHAT HE KNEW.

A very inquisitive man was traveling in England by stage coach from Bath to Bristol. He sat on the coach-box by the driver, and kept up a running fire of questions on the unlucky man. "What place is that?" "To whom does this estate belong?" "What is the name of your village?" To all such questions he received the answer, "I don't know."

At length, quite tired with the man for having "no eye," he said, rather sarcastically, "What do you know?" Without moving a muscle the man replied, "I know, sir, how to drive you from Bath to Bristol."

DIAMONDS OR COAL.

The following data shows the value of the Coal of England:

"It might seem at first sight that these countries containing diamond mines, or mines of crystallized carbon, were the most favored; but this is far from being the case. The mines of Golconda, and of Vimpour, in India, of Brazil, of the Ural, and Borneo, are not worth a variety of these deposits of coal with which nature, a little judicious in regard to France, and still more so towards the vast territory of Russia, has endowed Belgium, England, and, to an immense extent, the United States.

By way of illustration, we can state that England, with all her wealth, does not import precious stones of a value greater than twelve or thirteen millions of francs, while her mines of coal yield a value of five hundred millions of francs per annum. How precious is this coal!"

THE LAST SURREY.

Another dread(ful) warning to puff-blowers comes from Columbus Ohio, where may be seen the man whom suffragan to the penitentiary. One night, when robbing a bank, yielding to depraved appetite, he took a plunk, and the fatal wound betrayed him. That moment, too, was his last, for in the penitentiary he is denied death.

"Dear Johnny," said a venerable lady to her six-year-old nephew, who was persistently denying an offense of which she accused him. "I know you are not telling the truth; I see it in your eye." Pulling down the lower lid of the organ that had so nearly betrayed him of veracity, Johnny exultingly replied, "You can't tell anything about it, aunt; that eye was always a little streaked."

NEW ZEALAND FLAX SEED.

The New Zealand Flax can be grown with great advantage and profit in California, and becomes an article of large export to Europe. Thousands of tons are annually exported to Europe from New Zealand, realizing from \$15 to \$40, and even \$50 per ton.

The New Zealand Flax will grow upon high or low land, wet or dry, good land or poor land, and like the Canada Flax, once in is hard to get out, covering the surface in a little time closely, and yielding an immense return.

Those who desire to know how New Zealand Flax grows and how it looks, can see two large plants in the Pacific Grounds. The long broad leaves are the same, each plant yielding heavily. Seed for Sale at Farmer's Office.

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

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12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

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HOLLINGSWORTH SULEY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 13 inches.

The DEERE PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 10 inches.

BOSTON OLIPPER PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double,

Also a full stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO.,

108 & 110 FRONT STREET,

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NEVILLE & CO.,

Bag, Tent, and Hose

Factory,

113 Clay & 114 Commercial Streets,

San Francisco,

Importers, Manufacturers, and Dealers in all kinds of

Bags, Burlaps, Duck, Canvas and Cottons,

ORDERS RESPECTFULLY SOLICITED.

J. M. NEVILLE.

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39 20



A FINE HOME

FOR SALE.

A very fine located Farm of 196 Acres of Choice Land, about one mile from Calistoga, in Napa County.

Forty Acres of this Land is cleared and fenced, Living Streams of Water run through this Farm, and abundance of Mountain Trout are in these streams, Mineral Springs too, abound.

A new House, 30 by 33, with Kitchen attached, 12 by 12, and Store and Bath Rooms.

A Barn and other Out Buildings are in good repair. On the Farm 4,000 cords of wood can be cut.

The Vineyard contains 7,000 Vines of the best varieties in bearing, with 20,000 young vines in nursery of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,
200 Bales of Wheat,
1200 Bbs. of Blackberries,
170 Bbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China Pigs, a new 4-horse Wagon, a new Cart, Bugy and Harness complete, and all kinds of Farming Tools needed for a well kept Farm.

There are other valuable items and properties connected making this place one of the most desirable for a delightful "Homestead" that can be purchased.

The Owner has business that calls him from the State, which is the only reason for offering the place for sale.

The Farm and Buildings with Stock and all complete will be sold at a Great Bargain if applied for immediately.

Address L. B. S. at the FARMER OFFICE for 4 weeks from this day, as the place will be sold quickly.

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural cut stone, fireproof and enduring

ASHLER, COPING, SEPS,

MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fontaines, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Tiles, French Grey, etc.

Architects and Builders are particularly invited to examine our Stone and Prices before engaging other building material

JAMES GAMBLE, President,

R. WEGNER, Secretary,

Office, 414 California Street.

Office and Works, 5 Duane Street, bet 4th and 5th, SAN FRANCISCO.

39.11 V CUSHING, General Superintendent.

Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale.

He has on hand and now ready to deliver

Pure Bloods,

Half Breed, and

All Grades up to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Eldorado, Eldorado Co.

N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars.

N. G. 39.17

THE INFALLIBLE COUGH AND CONSUMPTION CURE!

As a remedy for Coughs, Colds, Soreness or Pains of the Chest, Whooping Coughs, Phthisis, Bronchitis, Asthma or Consumption the INFALLIBLE COUGH AND CONSUMPTION CURE has no equal. In cases of Consumption the patient should take in consideration the condition of the lungs. If they are too far gone, of course a perfect cure is impossible, although in many cases when Physicians have given up all hopes it has effected perfect cures. Sometimes Physicians are mistaken. The best proof of that is to try three or four different ones, and in nine cases out of ten every one of them will have a different opinion and prescribe different remedies; so before giving up all hopes give the INFALLIBLE CURE a fair trial: If there is a possibility of a recovery, the patient will not regret using the INFALLIBLE COUGH AND CONSUMPTION CURE. It acts as a stimulant and a light expectorant, but its virtue, its strength and its wonderful effect on the lungs is centered in its great healing power, allaying irritation, soothing and healing the lungs, thereby promoting a free and easy respiration, and a permanent cure. For Coughs or Colds, Chronic, long-standing or of recent construction, the INFALLIBLE CURE is acknowledged by all who have used it to be far superior to any remedy ever placed before the public, acting directly on the mucous membrane, it cuts and loosens the phlegm, which, by a free and expectoration from the lungs, relieves the patient almost immediately. Recent Colds are cured in from One to Three days.

W. H. H. WHITE, Proprietor, 1233 Pacific St., San Francisco.

CRANE & BRIDGEMAN, Wholesale Agents, San Francisco.

For Sale by all Druggists.

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MAIN & WINCHESTER,



SADDLERY

WARE,

Have on hand the finest and best Assortment of

HARNESSES

SADDLES,

COLLARS,

SADDLE TREES,

HIRS,

LEATHER,

BLANKETS,

ROBES,

LASSES, ETC.,

ever offered on the Pacific Coast. We particularly call the attention of the country trade to our extensive assortment of Harness adapted for Farming and Teaming use, and also to the Collars of our own manufacture, which we guarantee Superior to any other Collars manufactured.

We are prepared to supply the trade, with any goods in our line at the very lowest prices for Cash or approved credit.

Traders will always receive careful attention.

Nos. 214 and 216 Battery street,

SAN FRANCISCO,

39.17

TO GRAIN, COTTON AND WOOL GROWERS.

The undersigned are prepared to extend every facility to Farmers who desire to ship their produce abroad.

We will advance liberally on any shipments, only charging interest at the rate of 5 per cent. per annum. Freight at the chartered price paid the ship, Insurance and other charges at the lowest rates obtainable, thus netting the shipper the full value of his crops, while paying the lowest interest for his funds.

Any further information desired will be promptly furnished.

J. C. MERRILL & CO.,

204 & 206 California Street,

SAN FRANCISCO.

35

TREES, PLANTS & BULBOUS ROOTS

For AUTUMN of 1873.

Ellwanger & Barry offer to Planters and Dealers the largest and most complete stock in the country of

Standard and Dwarf Fruit Trees, Grape Vines, Small Fruits, Ornamental Trees, Shrubs, Evergreens, New & Rare Fruit & Ornamental Trees, New & Rare Green & Hot House Plants, Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt attention to all inquiries.

Descriptive and Illustrated Price Catalogues sent prepaid on receipt of Stamp, as follows:

No. 1—Fruit, 10c. No. 2—Wholesale, (Just Published),

Free. No. 3—Bulbs, 5c. Address: Ellwanger & Barry,

Established 1840, Mount Hope Nurseries, ROCHESTER, N. Y.

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THE

CALIFORNIA

FARMER.

Our FORTY-THIRD VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of this year and the following year also, thus giving them over fifteen months for one year, making in the Best and Cheapest Journal on this Coast. First we shall have a liberal addition to our Subscription List, for our FORTY-THIRD VOLUME is a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE.

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE.

Great Reduction

FOR THE

"California Farmer."

FOR

VOLUME FORTY,

Over 15 Months for Four Dollars

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The California Farmer

HAS BEEN ESTABLISHED

TWENTY YEARS,

Circulates over the whole Coast, in every part of the United States and largely in Europe, Mexico and South America.

AGENTS WANTED.

LIBERAL RATES FOR GOOD RELIABLE EDUCATED MEN AS TRAVELING

AGENTS!

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the whole, or landing places.

Correctly Weekly by Editor FARMER.

SAN FRANCISCO, Jan. 1, 1874.

MONEY AND EXCHANGE TABLE.

Exchange on England	108 1/2 @ 109 1/2
Price of Gold	110 1/2 @ 111 1/2
Value of Greenbacks	92 1/2 @ 93 1/2
Value of Wheat in Liverpool	13 1/2 @ 14 1/2
do do New York	11 1/2 @ 12 1/2

Money at the Bank of England, has declined to 1 1/2 per cent, and will probably go lower.

Confidence being restored, the Banks are doing business in New York more freely.

Money in San Francisco still in demand yet more easy to be had. At Bank 1 and 1/2 per cent—Large and long loans are 2 and 1/2 per cent.

GRAIN AND FLOUR MARKET.

The Grain market even in this continued stormy weather, has remained firm, and ships have loaded freely, and have taken their cargoes abroad, equal to a ship per day for December, and making One Hundred and Fifty-eight ships, during the month of this month, as compared with 500 vessels, and greater in absolute value by \$3,000,000, than so much carrying on this date.

The wheat market a very prosperous showing for 1873. Flour has continued to go abroad liberally, chiefly to Liverpool, the price has remained firm and promises to continue so.

Barley and Oats maintain their price, demand steady, rather leaning upwards, will do when fair weather comes and trade wakes up.

Corn, Rye, Buckwheat, each steady, slight demand, but probably to continued stormy weather.

Feed Grains and Hay fall off in price, sales less as feed increases in the pasture.

Potatoes, California and Red Chops, steady demand, prices about the same as last report.

Wool is in better demand, holders feel confident of better prices and build. New York advances upon better prospects ahead.

Hops do not rise on the market, there is not great enough in purchases or exporters to make them work lively.

Home Products, excepting all the articles quoted below, and begin to show up in good sized values.

Leather, Hides, and Tallow are without material change.

WHOLESALE GRAIN REPORT.

Wheat California, 100 lbs. Cost	\$2 30
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do do do do do do do do	2 30
do do do do do do do do	2 30
do do do do do do do do	2 30

Retail Prices in the Fruit Market.

The Fruit market for Christmas and New Year, was far better than was expected, when the weather cooling and wet was taken into consideration.

There was quite a display of Fruit, and of fine quality too. Apples very fine, (Pears few kinds good. Grapes also, some fine and liberal to supply. Oranges and Lemons from Los Angeles a full supply of fine quality.

California Raisins and Raisins good supply, and Bananas, etc., from the Islands in free supply, making a large showing for the Holiday, but we venture to say that any other market in the land.

Apples, per box	1 00
Apples, per bushel	1 00
Apples, per bushel	1 00
Apples, per bushel	1 00
Apples, per bushel	1 00

Retail Prices in the Vegetable Market.

The Vegetable display was an excellent one for this season of the year, and though it is winter everywhere, yet our California markets show fine Spring produce (Beware).

New Potatoes, Cauliflowers, Celery, Asparagus, Radishes, Asparagus, and all other of the needed common vegetables in abundance—a full market was the word, with stalls well filled.

Asparagus, white, per bushel	1 00
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Salmon, per bushel	12 1/2
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SOLOMON TESMORE.

57, 58, 59, California Market.

The Shell Fish business is now in their full season, never have the "Blivies" been better, our Oyster caterers are in their full tide of business, trade good, demand constant, and for the holidays the orders were immense, Mayors at the California Market, and Tensmore, same market, were in busy as best, trying to tickle the palates of their hosts of customers, and with the best quality ever sent out of California.

Oysters, per bushel	1 00
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Bridle Leather	14 1/2
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Bridle Leather	14 1/2
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CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XL.

SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 8, 1874.

NUMBER 18.

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SAN FRANCISCO.

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All letters on business connected with the office should be addressed to WARREN & CO., PUBLISHERS.

ORANGE JUDD, EDITOR OF THE AMERICAN AGRICULTURIST.

Among the many requests made by the readers of the Agriculturalist, probably none has been so frequently presented as that asking us to publish a portrait of Mr. Judd. For reasons which were so doubt satisfactory to himself, Mr. Judd has never acceded to this often repeated demand.

As he is now temporarily absent, and so far away that he can know nothing of the matter, his associates have concluded to risk the displeasure of a single individual in order to gratify many thousands by the publication of the often called for portrait, which will be found upon our first page.

Thinking that a biography should not be written until the subject of it has closed his career, we shall here give only a brief sketch to include such points as may have interest to the readers of the Agriculturalist.

Orange Judd is the son of Ozias Judd, one of the pioneer farmers of Niagara Co., N. Y., and afterwards one of the first settlers of Kansas, where he lived his life in one of the conflicts that attended the early history of that State; he was born in 1823, not far from Niagara Falls, and passed his youth and early manhood in the hard labors of what was then a farm in the "far West."

Having a strong taste for the natural sciences, and his desire for an education being very strong, he almost solely through his own exertions entered and sustained himself at the Wesleyan College at Middletown Conn., from which institution he was graduated in 1847.

After completing his college course Mr. Judd entered the Chemical Laboratory of Yale College, where he devoted three years to the study of analytical and agricultural chemistry. A few years were passed in teaching chemistry and other branches of science, and in lecturing upon agriculture, after which he, in 1853, became editor of the American Agriculturist, founded some years before by Messrs. R. L. & A. B. Allen.

At that time agricultural journalism was, it is not its infancy, at least in a very feeble state, and editors who had a proper foundation in a scientific education were indeed rare.

In entering upon his editorial career Mr. Judd not only brought great industry and untiring energy, but a thorough preparation for the work.

His influence soon made itself felt in the paper, and in 1856 he became its sole proprietor. When the Agriculturalist first came into Mr. Judd's hands, one person could attend to all the subscription and advertising business, and also write the wrappers and fold and mail all the papers, a task that now requires some thirty persons for its performance.

Mr. Judd brought besides, editorial ability to the paper, a remarkable business tact and energy. He determined to place the paper in a position to let people know of it, and it is to this strict adherence to these two points that his success has been due.

From the first determined that the advertising pages should be carefully edited as any part of the paper, and, though at great immediate pecuniary loss, excluded quackery of all kinds and all advertisements of a doubtful character.

The subsequent increase of the business of the paper, to which the publication of agricultural books had been added, led to his coming with Lucius A. Chase and Samuel Barnham, Jr., in the firm of Orange Judd & Co., and the firm has been since enlarged by the accession of O. C. North and A. P. Miller.

During the early portion of his editorship of the Agriculturalist, Mr. Judd was for several years also the agricultural editor of the New York Times.

In 1862 he went to Europe, but soon returned on account of the disturbed state of the country at home. During the war he was actively engaged with the Christian and Sanitary Commissions in affording relief to the soldiers in the field, an occupation in which his health was no doubt permanently injured.

In 1867 he visited Europe again, and made an extended tour. Being warmly interested in the university at which he was educated, and feeling that its facilities for teaching the branches in which he was especially interested were inadequate, he erected at his own expense a large and magnificent building for lecture rooms, museums, etc. This building, probably the most complete of its kind in the country, is now called the Orange Judd Hall of Natural Sciences.

We have already alluded to Mr. Judd's great industry; he always seemed to forget that there was a limit to human powers, and until within a few years never thought it necessary to spare himself mental or bodily labor. Unwillingly yielding to the advice of others, he passed a portion of the winter of last year in recreation in Florida, and this winter he passes quietly in some part of Europe, where it is hoped he will find the rest he has so well earned.

As to our portrait, we are sure that it will surprise many, as Mr. Judd has held the attention of the agricultural public for so long that those who do not know him suppose him to be gray and venerable. Being of a nervous temperament and having a very mobile countenance, he when animated by conversation looks even much younger than the portrait represents him.—Ed. in American Agriculturist.

PROF. AGASSIZ.

It is, perhaps, too soon to be able to sum up the good which this great man accomplished in the world. The example and the teaching of such a man live long after the earth has closed over him, and it requires years to estimate the influence which has been exerted upon mankind.

The magnetism of his personal presence has not been in vain: It radiates out through the whole fabric of civilized society, and furnishes an example and stimulus to intellectual effort, throughout every class of thinkers and searchers after truth in every department of human learning—all over the world.

Who can estimate, even at this day, the wonderful influence of such a man as Agassiz or Pasteur? We cannot, perhaps, see it directly and yet we know that influence still lives. We know a large share of whatever is good and noble in modern civilized life, is due to the teachers of those great philosophers whose influence has come down through all the ages from a period four hundred years before Christ. It has made men greater and nobler and better.

It is so with every great man. His influence is felt in some form or other to the end of time. We have no doubt it will be so with Prof. Agassiz. It was not merely what he knew, although his acquisitions were truly wonderful. It was the simplicity, the purity, the selflessness of his character, but especially his methods of study and instruction, which stamp him as one of the great lights of science, whose example is in so many respects worthy of the rising and all future generations.

But it was especially in his intense interest in agriculture so far as it promised to be a storehouse of facts bearing upon natural science, that farmers are interested in him. He was appointed first as a member of the State Board of Agriculture in 1864, by Gov. Andrew. Some members of the Board at that time were inclined to think that it was an unwise appointment, taking it for granted that all his social relations, his interest and his pride, were with an entirely different class of men, with scientific men, literary men, people of culture that did not belong especially to agriculture and to practical men. But they soon changed their minds, for Agassiz soon took a deep interest in all the proceedings of the Board, always attending every meeting when it was in his power, always ready to contribute from his own vast stores of knowledge and always ready to question and to learn from those whose life had given them greater opportunities to observe many facts of natural science which had not come so much in his way. He put on none of the pomp of knowledge, but always appeared as eager to learn as any child. Every member of the Board loved him and loved to be associated with him, and on the other hand, there was no scientific, literary or social body of men in which he seemed to take so much delight and pride as he did in his connection with the Board of Agriculture. There was not one, of any kind, that he would do so much for, or go to so much personal trouble to gratify. He has repeatedly told us, and his own conduct showed it, that he would do freely for the Board what he would not have done for any other association or for any amount of money. The moment the Reports of the Board were issued, he was always eager to furnish scientific institutions abroad with copies whether they contained investigations of his own or not.

With the exception of the time when he was away in Brazil, and upon the Havel expedition, we believe he did not fail to attend any country meeting of the Board during his membership, and he was always ready to lecture and to do his part to add interest and instruction to the occasion, and he always contrived to draw out a great deal from all around him. His last public effort was a lecture before the Board at Fitchburg. He was rather feeble at that time and remarked to a member of the Board that if he had tried to talk longer he should have been obliged to support himself by the table.

One great source of the power of Prof. Agassiz was his unbounded enthusiasm. It gave a charm to his lectures which nothing else could have done. It arose in part from complete and broad and absolute knowledge of his subject. His mind was comprehensive, while his great soul spoke through his eyes, when his genial countenance lighted up with the glowing animation which the mastery of the subject and the interest of an audience gave him. Everybody liked to listen to him. The farmers of the country as well as scientists the world over, has lost one whose place it will be difficult for any one else to fill so well.—Massachusetts Ploughman.

LETTERS AT FARMER OFFICE.

The following Letters addressed care of "Farmer Office," are waiting to be called for:

Rev. James Russell, 1 Letter.

W. Wood, 1 "

Hon. J. S. Dahl, 1 "

J. B. Mozley, 1 "

For, Coughs and, Throat Disorders, use "Brewer's Brandied Trachea," having proved their efficacy by a long many years.

COMPARATIVE WHEAT CROP OF 1872.

The National Crop Reporter, an excellent Journal, and of value as a Crop Reporter, gives the crop of Wheat for 1872, as follows:

(We only copy the States of over Ten Millions.)

Iowa heads the List, 32,437,336 bushels

Illinois, 30,972,504 "

Indiana, 27,747,223 "

Ohio, 27,062,616 "

California, 26,089,687 "

Wisconsin, 25,768,915 "

Minnesota, 21,807,087 "

Pennsylvania, 19,372,967 "

Michigan, 16,265,773 "

Missouri, 14,297,853 "

New York, 12,178,462 "

254,299,803 "

Here are eleven States that raised over Two Hundred and Fifty Million Bushels of Wheat in 1872, and although California is placed fifth on the List, we feel sure she is nearer the head of the class, one thing is certain, she goes to the head in 1873, and keeps there.

"GILT-EDGE" BUTTER.

[We clip the following from the Practical Farmer, showing the great products in Butter of the Alderneys or Jersey Cows of which we reported last week.—Ed. F.]

Mr. Editor:—Please find by express, a sample of 90 pounds of butter made from 8 cows for the seven day ending October 23. My cows are five full blood, and three grade Alderneys. All came in early in the season, and have had no feed at the barn except two quarts of corn and cob meal, and two quarts of bran each. From the first of May, 1872, to the first of January, 1873, the same cows made an average of thirty-four pounds, six ounces to each cow per month. I have one cow that has fourteen pounds and fourteen ounces in seven days, with nothing but what she got in the pasture, yet I don't think she will make 365 lbs. in a year like Mr. Crozier's. J. L. BRIDGEMAN.

SACRAMENTO SUGAR FACTORY.

The Sacramento Beet Sugar Factory has ceased making Sugar this season for want of material, there being no Farmers wise enough to raise beet to supply them even at the liberal price of Four Dollars a Ton.

The Company themselves planted and successfully cultivated Eleven Hundred Acres, it is much to be regretted that the Farmers should not have given attention to this product, and raised a few thousand acres more to have kept the factory running, for land properly prepared will yield 20 to 40 Tons per acre, and the warrents pay better than Wheat.

For, Coughs and, Throat Disorders, use "Brewer's Brandied Trachea," having proved their efficacy by a long many years.

THE WOOL INTEREST OF CALIFORNIA.

The Wool Interest of California is assuming such a proportion as to excite not only the attention but the surprise of our whole country.

We have before us the valuable Report of Messrs. R. Grisar & Co., of the Wool Exchange of this city, from which we take the following valuable, reliable data.

We shall have further items to give hereafter from this excellent Report.

WOOL PRODUCTIONS.

Receipts at San Francisco—

January, 877 bgs.

February, 257 "

March, 877 "

April, 12,516 "

May, 23,636 "

June, 9,814 "

July, 5,496 "

August, 6,028 "

September, 11,109 "

October, 19,557 "

November, 6,021 "

December, 1,500 "

98,696 "

Of which there was Spring wool 55,981 "

weighing 16,499,882 lbs.

Spring, shipped direct from the Country, 1,149,839 "

Spring, bought direct by Country Factories, 400,000 "

Total Spring Production, 18,049,519 "

There was Fall Wool received 40,615 bgs, 12,580,950 "

Fall, shipped direct from the Country, 200,008 "

Fall, bought direct by Country Factories, 115,000 "

30,955,169 "

Pulled Wool, shipped from San Francisco, 1,200,000 "

Total Production of California, 32,156,169 "

On hand, December 31st, 1872, about 1,500,000 "

Received from Oregon, 8,770 bgs, 1,608,300 "

Foreign Wool received, 3,814 bgs, 973,522 "

Foreign Wool on hand, Dec. 31st, 1872, about 500,000 "

Grand Total, 36,738,991 "

EXPORTS.

DOMESTIC, FOREIGN, PULLED AND SCOURED.

Per Rail, 28,175,668 lbs.

Per Steamer, 776,005 "

Per Sail, 1,191,780 "

30,144,053 "

Bought here by Local Factories, 3,160,000 "

33,294,053 "

On hand Dec. 31st, 1873, about 3,000,000 "

36,294,053 "

Value of Exports, \$6,450,352.

Fully two thirds of the wools graded during the past year are A1, the balance is A2 or B. This proportion has been unchanged for the past four years.

The market throughout the Spring season was fairly active, and from its opening the demand was sufficient to prevent any accumulation, although receipts were larger than ever before. Prices gradually advanced, but without excitement. The superiority of the wools last received as compared with first arrivals, partially accounts for the marked difference between opening and closing rates. Eastern manufacturers, through their agents here, took a considerable portion of the Spring clip.

GENERAL EXPORTS AND PRODUCTION.

The general exports of the State, as will be seen by reference to our table, have taken unusual proportions this year. The aggregate value of shipments exceeds by \$10,000,000 that of even the large shipments of last year. This is more particularly due to wheat, which, while not equaling in quantity that of the previous crop, have commanded prices which have raised in value flour and wheat together, to over \$21,000,000. England has been almost the exclusive customer for it. This great increase in the value of products have kept exchanges in favor of the State, and diminished the demand for treasure for export. The general condition of the trade has therefore been very satisfactory. It will be observed that the treasure reported in our table embraces only that portion exported from this port, by sea and rail. A considerable proportion of the whole production, which has been given at \$72,355,698, gold and silver, has been

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Agriculture.

BEST FOR THE MANUFACTURE OF SUGAR

(Being a translation of the agricultural part of the work of Louis Wulff, "The Practical Sugar Manufacturer and Refiner.")

HISTORICAL.

The use of sugar seems to have been known in the earliest times. The Greeks and Romans mention "a kind of honey upon the leaves of a cane" (Discordes, A. D. 41). The Indians "drank the sap of a kind of a cane," and Humboldt conjectured that the Chinese probably understood pressing sugar from the cane much earlier, for the process is represented on very old Chinese porcelain. Physicians of Nero's and Trajan's times (Pliny, A. D. 98) described sugar as "Indian salt, in hardness and color like common salt, but tasting like honey." We find sugar at that time in various forms, liquid and solid, as medicine, and as a pleasant, invigorating article of food, and even now the negroes in America fasten upon the sap during the gathering of the cane.

Can we wonder, then, that sugar, in which nature has united the agreeable with the useful, should be in almost universal use throughout the entire world; that in many countries its manufacture has been the object of the most extensive experiments.

The advances of civilization, which accustoms man insensibly to new necessities of life, and sets his intelligence and invention at work to supply them, has made sugar production so universal in all countries, that the civilization of a people can be estimated to-day with as much certainty by their consumption of sugar, as by their consumption of soap.

Sugar was introduced into Europe by means of the Crusades, and thus the destroying sword has been made to serve, in a remarkable manner, in laying the foundation of a flourishing branch of industry of a most peaceful kind. Venice, whose fleets crossed the seas and effected the interchange of commodities, received the first sugar in the sixteenth century; and again it was a Venetian who originated the art of refining sugar, bringing it to a more perfect form.

In the year 1148, sugar-cane was planted in Cyprus and Sicily, from whence it spread over the Andalusian coast, then to Madeira, and 1506, was planted in the West Indies. As early as 1697, there was a sugar refinery in Dresden, and in the beginning of the sixteenth century, sugar refining, by the application of lime-water and the white of egg, was described by Angelus Sala in his Saccharologie. (Knapp.) From the same early time, date the first written treatises on the manufacture of sugar, and it may well be believed that a certain technical skill in refining existed at the same time, for the name candy (as well as the preparation of it) was mentioned as early as 1695, in the Alchimie de Libanio. (Knapp.)

The sugar we have been considering was obtained only from the common Indian sugar-cane and its different varieties, and the eminent German chemist, Marggraf, first in the year 1747, published his researches regarding the existence of sugar in various roots, especially in the beet.

The art of making sugar from the beet, which we propose to consider exclusively in the following pages, is, therefore, the child of the cold north, and, in fact, of German research. It is not the result of blind chance, and does not depend upon simple processes, like the discovery and the extraction of sugar from the cane, whose sap, in the wantonness of tropical climates, is presented to the indolent population of those regions as an almost pure sugar solution. No; the production of sugar from the beet is the tedious but steadily developing result of earnest study, of stern diligence and of northern thought; the power of mind, counterbalancing the inclemency of climate.

This discovery was, however, not made at once, but the honor is due to Marggraf's able pupil, Franz Carl Achard, of having first experimented upon the possibility of a profitable production of sugar from a crop easily grown in all European climates. The experimental factory built with royal aid in the year 1788, on the Oden estate, in lower Silesia, near Steinau-on-the-Oder, had such a good result for those times, that the Baron von Knypp built a second factory at Krain, near Strehlen, and Nathaniel a third in Althaldensleben. In Bohemia, sugar factories were begun as early as 1802. In a work entitled "The European Beet-root Sugar Manufacture," 1789 and 1812, we find a careful description of the manufacture at that time, treated with such copiousness and clearness, especially regarding the culture, soil, measure and choice of the species of beet for the purpose, as came as to confess with shame that, as followers of Achard, we have not made the progress in these branches which was possible in the present advanced state of natural science.

Beet-root sugar-making being even now in its infancy, and far from having attained that perfection of which it is capable. But if we have to honor the German scholar who was capable of writing such a work at that time, we must still more esteem the German nobleman who, as Prince Louis Napoleon states in his Memoirs (page 171), declined the offer of 50,000 thalers made him,

anonymously, from England, in order to hide the beet-sugar manufacture in its infancy, as it were, through its author. The same illustrious writer (the former Emperor of the French) relates further, that in the year 1802, Achard, the founder of beet-root sugar-making, was offered 300,000 thalers if he would publish a work in which he should state that his enthusiasm had carried him too far, and that trials on a large scale had clearly shown the experiments with small quantities to be of no value. Achard simply declined these offers, not even mentioning them once in his writings. Children of Germany, read and be astonished! The heart swells with pride to find, in the founder of the beet-sugar industry, a man of so much learning, spirit and honor—no longer belonging to Germany, but to all Europe.

The reader will pardon me for tarrying so long with so noble an example; but these traits of character, which in foreign tongues and works, I have found held up for the admiration of the whole world; surely deserve to be recorded in all histories of German industry.

Let us now turn to the extension of the beet-sugar industry, whose earliest infant development caused so much apprehension to the possessors of tropical colonies. Growing fast like a thrifling child, it soon spread over France, Germany and Russia. The English understood perfectly the German temperaments, and knew what was to be expected from German pertinacity, and dispositions allied to their own. After the defeat of the above-mentioned plan, they resorted to other means, and induced Sir Humphrey Davy to write a manual (Traité de Chimie Agricole), in which he stated that beet-root sugar was bluer. This learned manual, however, was of no avail; the inhabitants of Germany, France and Russia enjoyed beet sugar in spite of the bitterness ascribed to it. During the infamous blockade ordered by Napoleon, no sugar from the tropics could be brought to the countries of northern Europe. It thus became necessary for the north to produce what the south formerly supplied, and the aid which her sovereigns bestowed upon the beet-sugar manufacture was indeed magnificent. There were, accordingly, in France, on the 26th of March, 1811, 32,000 lectures of land, by imperial decree, devoted to the culture of the beet, and 1,000,000 francs appropriated to its encouragement, while the King of Prussia, as has been already mentioned, aided the founder of this industry with large presents. In Russia, moreover, Major-General Blankensiegel had already established a factory at the village of Akabul, in the province of Thula, and not only received from the imperial government a subsidy of 50,000 paper roubles, but there was also a ukase promulgated by which land was promised free of cost to whomsoever would erect beet-sugar factories.

*Louis Napoleon, page 171.

(Concluded next week.)

PERCHERON AND NORMAN HORSES.

M. Simon, of Oran (France), connected with the Department of Agriculture and Commerce in that country, in a letter written to Mr. J. J. Parker, of West Chester, Pa., states that the true Percheron horse is now very scarce; that those who raise horses for sale as Percherons in the neighborhood of Orléans—the centre of the Percheron horse trade—purchase foals in Belgium, Flanders, and other places, and after feeding them until old enough sell them as Percherons. It has now come to pass that all heavy gray horses are classed as Percherons. But these are far from being the true race. This is but an enlarged Arab, with all the good qualities, the soundness, and endurance of the original race from which he springs. His color is a gray white or a silver gray. He must be kept under nearly the same condition of climate as in the Perche to do well. Being gentle, he must have gentle treatment. He must be well fed. His rations are 17 lbs. of straw, 22 lbs. of hay, and 20 quarts of oats. Those remarks, which we know to be well founded, are worthy of notice by those who are purchasing heavy, coarse-boned, large footed lymphatic, and necessarily unsound dark gray horses, which are called Normans or Percherons at high prices, with the certainty of future disappointment. Not long ago we saw an importation of several so-called Percherons, of which only two could justify claim the title, and the difference between the true and false Percherons was abundantly clear. For the improvement of our native races we must have animals of pure breeds, or we make a failure.—American Agriculturist.

SULPHUR FOR GAPS IN POULTRY.

M. H. W. Lamer, writes to the Tribune that when he was a boy, and big brick ovens were in use in the South, every morning when the breakfast for breakfast were taken out and the oven hot, Sally made up a paste of corn meal (unsifted) bread, with a heaping tablespoonful of pulverized sulphur to the quart of meal, mixed with water and nothing else, and this was fed to the chickens and turkeys morning and evening, and I never knew one dozen chickens lost with gapes, as it is known that sulphur is death to parasitical worms. Two young turkeys had a pill of ground black pepper given each morning when they appeared drooping, until again lively. These pills are easily made by adding enough flour to cause adhesion.

ADULTERED MILK.

Some London milk dealers have been recently summoned before a magistrate for adding water to milk. Each was fined £5 and costs.

[If our City Fathers should act in like manner they would raise money enough to pay the City Debt.—Ed. F.]

The chief secret of comfort lies in not suffering trifles to vex us, and in cultivating an undergrowth of small pleasures which very few great ones are to be had on long leases.

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE Insurance Agency.

No. 314 California Street,
SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

American Insurance Company, Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company, Chicago, Ill.,	250,000
Glend Insurance Company, Philadelphia, Penn.,	655,000
Kansas Insurance Company, Leavenworth, Kansas,	250,000
National Life Insurance Company, of U. S. A., Washington, D. C.,	1,235,000
New Orleans Mutual Insurance Association, New Orleans, La.,	1,235,000
North Missouri Insurance Company, St. Louis, Mo.,	285,000
Peen Insurance Company, Philadelphia, Pa.,	620,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.,	

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,

GENERAL AGENTS.

No. 314 California St. San Francisco, Cal.

39 21

Seminary Park
POULTRY YARDS,

(one mile from Melrose Station, O. P. R. R.)

ALAMEDA CO., CAL.

O. W. WILSON, Proprietor.

ON ACCOUNT OF GREAT SUCCESS IN BREEDING can spare Fowls, bred from Prize and Imported Stock and properly cared for, at the following low rates:

	Per Pair.	Per Trio.
Light Brahms	\$10.00	\$16.00
Dark do.	12.00	18.00
Buff Cochins	12.00	18.00
White do.	12.00	18.00
Black do.	12.00	18.00
Partridge do.	18.00	25.00
Hooded and White Leghorns	10.00	15.00

ALSO

Silver and Golden Spangled Hamburg, Rouen and Aylesbury Ducks and Orpingtons. Brown Leghorns, acknowledged to be the most profitable variety to keep, as producing the greatest number and weight of eggs in a given time of any known breed.

Eggs sent to Hatch, in Patent Safety Packages, from all the above breeds at \$5.00 per Dozen, Two Dozen to any address for \$10.00. Satisfaction Guaranteed in all cases.

Mammeth Breeze Turkeys Bred from First Prize Imported Stock weighing 24 pounds ten Pairs. Will spare Cocks a \$29.00, Hens at \$15.00. Turkeys at \$25.00.

Parties wishing Birds for Exhibition, will do well to correspond with me and secure special rates. Birds imported on Commission. Please send for Circular and Price List. Address P. O. Box 1871, San Francisco, Cal.

Please state where you saw this advertisement. 40.1

HOAG & CO.,

General Produce.

COMMISSION MERCHANTS

NO. 200 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides, Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco
R. M. WILLIAMS & Co., Lumber, Honolulu, H. I.
COTLER & BROTHERS.
BANK OF SOMERSET COUNTY, Potsdam.
J. O. WICKERHAM & Co's Bank, Petaluma.
BANK OF SAN DIEGO, San Diego.
Cash advanced on Consignments and on Property in Store. 38 13

Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant ALFALFA can have Samples of the different kinds sent to them with prices of each, and full directions for

SOIL, CULTURE,

TIME OF PLANTING

CURING, &c., &c.

with valuable data, by sending to the

Farmer Office,

820 Clay St.,

SAN FRANCISCO.



FAMOUS SEED-WHEAT.

As there has been numerous call at our Office to see the famous Seed Wheat, known as the "Pain or Better," and now advertised in our Columns by the Originator of this remarkable Wheat, we have obtained the second parcel, so that all who desire to secure the very best and choicest Wheat ever shown in California, can see the same at the

CALIFORNIA FARMER OFFICE,

820 Clay Street, up stairs.

OIL CAKE MEAL

THE BEST FEED KNOWN

FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OUR OIL CAKE MEAL, which we are now manufacturing. No description of food so greatly promotes the health of animals as Oil Cake Meal, and we urgently request all cattlemen, dairymen, raisers and fattening stock, or who find it of any great value. By those who have used it thoroughly, ONE pound is pronounced to be equal to two pounds of Corn Meal and in the United States Government report of the Department of Agriculture for 1885, it stands in the following relation to other feeds as to the percentage of food produced from a hundred pounds of feed, viz: Indian Corn Meal, 41 percent; Barley Meal, 13 percent; Oat Meal, 18 percent; Oil Cake Meal, 22 1/2 percent. It is also a valuable feeding property to all stock, and to sudden changes in weather or overfeeding. For MILK COWS it is particularly valuable, increasing the quantity of milk and preserving its quality to a great extent than any feed known. A suitable quantity for these purposes is one quart in the morning and one at the commencement of the evening milking. It is also generally mixed with the most of bran, clover, roots, or any feed of any kind. It improves it to such an extent that the effect being to increase milk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR BEEF CATTLE it has fattening properties which cannot be found in any other feed—it is always found to be more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known will so quickly prepare animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for horses subject to the Heaves or Rheumatism, and greatly increases the cleanliness and evenness of the skin of the hair.

FOR SHEEP there is no article of food known that so does much for fattening or so promotes the growth of wool. A small quantity given to chilled Cattle or Sheep will keep them alive and greatly increase their warmth and vitality.

At present price \$3.00 per ton, it is the cheapest feed known. It is now selling in New York at \$4.00 per ton, and at \$5.00 per ton in England, where it has been proven for long time to be in every respect the most profitable feed known for stock of all kinds—quantity being fully equal to three tons of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Marine Store, King Street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 8 AND 5 FRONT STREET,

Sacramento.

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

21 and 23 Barclay Street,

NEW YORK.

WALTER BROWN.

Consignments Solicited, and advances made if required. 132-14

J. W. COPPAGE.

HENRY LEE

J. W. COPPAGE & CO.,

COOPERS.

All kinds of Cooperage on hand and made to order on reasonable terms.

REPAIRING NEATLY DONE

112 and 114 Jackson St.

Between Drumm and Davis,

39-19 SAN FRANCISCO.

ALFALFA! ALFALFA!

SUPERIOR

CHILI ALFALFA!!

FOR SALE BY

CROSS & CO.

318 CALIFORNIA STREET,

San Francisco.

40.6

Standard Dundee

GRAIN SACKS

22x36--Hand-Sewed--Extra

Weight,

FOR SALE IN LOTS TO SUIT, BY

ROS, DEMPSTER & CO.

241 105 and 107 California Street.

Established 1853.

Stock for Nurserymen
and Florists.

TERMS CASH.

Cherry Seedlings Mazzard,	\$12.00 per 1000
" Mahaleb,	30.00 " 1000
Apple Seedlings,	12.00 " 1000
Pear Seedlings,	15.00 " 1000
Walnuts, English, 4 to 5 feet,	5.00 " 100
" California Black, 4 to 5 feet,	5.00 " 100
Spanish Chestnuts, 5 to 12 inches,	15.00 " 100
Cork Elm, 4 to 8 feet,	15.00 " 100
" 8 to 10 feet,	20.00 " 100
Blue Gums or Eucalyptus in variety	\$3 to \$10 " 100
Magnolia Grandiflora, 3 to 5 inches,	\$ 5.00 per dozen
" 8 to 12 inches,	6.00 " "
" 13 to 18 inches,	12.00 " "
Golden Arborvitae, 8 to 14 inches,	6.00 " "
" 12 to 18 inches,	8.00 " "
Hard Leaved Arborvitae, 12 to 18 inches,	6.00 " "
Crataegus Arborea, 12 to 16 inches,	2.50 " "
" 2 to 4 feet,	6.00 " "
Evonymus Reptans Variegata,	2.00 " "
" Pothellia,	3.00 " "
" Argentea Margineata,	3.00 " "
" Jaspinea,	3.00 " "
" Aurea,	3.00 " "
Sweetish Juniper, 12 to 18 inches,	3.00 " "
Heath Mediterranean, (Hardy)	2.50 " "

Will only sell in quantities specified at these prices, if less 10 per cent. added, if more 10 per cent. discount.

FRUIT TREES! FRUIT TREES! AND

WHERE TO PURCHASE THEM!!!

The Santa Clara Valley Agricultural Society has awarded for the Largest Collection of Pears, First Premium to B. S. Fox.
Best Twelve Varieties of Pears, B. S. Fox.
Largest Collection of Apples, B. S. Fox.
Best Twelve Varieties of Apples, B. S. Fox.
Best Collection of Plums, B. S. Fox.
Largest Collection of Nuts, B. S. Fox.
Best Soft Shelled Almond "Langue-de-chien," B. S. Fox.
Forest Trees, Shade Trees, large and small in quantity.

BERNARD S. FOX,

SAN JOSE.

THOM S MEHERIN, Agent,

Battery Street, San Francisco.

40.3

NEW STYLE

—OF—

WATER PIPE.

New Invention!

WOOD PIPE FOR

CONDUCTING WATER.

This Pipe is made of all sizes, from ONE to TWELVE INCHES BORE, and suitable for conducting Gas, or Water, will bear as heavy a pressure as Iron Pipe, and will endure an equal length of time, and at much less cost.

This Pipe will be found valuable upon large "Stock Ranches," and in Orchards and Vineyards.
Descriptive Catalogues, with the List of Prices can be had on application to

H. F. WILLIAMS,

381 Montgomery Street,

SAN FRANCISCO.

40.7

POTATO PLANTER.

The Potato Planter—a Great Labor Saving Machine—by which a Man, Horse and Boy can do the work of

Twelve Men.

The Machine CUTS, PLANTS, and COVERS, and does the work admirably, leaving a nice finished field.

For Sale at the

Farmer Office.



Horticulture

THE ORANGE CROP OF LOS ANGELES.

The Orange Crop of our State is now assuming a magnitude sufficient to attract attention abroad, not only on account of the large quantity, but for the superior excellence.

The crop of Oranges for 1871 was 4,692,000 in round numbers, say Five Millions, as some scattering parcels were grown not collected in data.

The crop of 1872 was as near as could be ascertained 4,650,000.

The estimate for 1873 is larger by considerable than last year—will probably reach Six Millions, which is four times the crop of 1870—then 1,500,000 only.

The duties having been taken off the Island Oranges reduces the value of our own greatly, causing a loss to those who contracted early for the Orange crop.

The price of Los Angeles Oranges at who lease is \$30 per thousand, and Island Oranges \$18 to \$20.

We are under obligations to Messrs. Howe & Hall, the large dealers in Fruit on Davis street, for valuable items relative to this interest from time to time.

PLANTING WALNUTS AND ACORNS.

Black walnuts or acorns should be placed in moist sand as soon as gathered, and allowed to freeze during the winter. In the spring, they may be planted in rows three or four feet apart. The black walnuts may be transplanted, as they crowd each other. The acorns, however, are transplanted with difficulty. The oak grows much slower than the walnut, and therefore you would lose your labor if planted together. Therefore plant them separately, by all means. Walnuts should be planted about three or four inches deep. Acorns one to two inches deep. Plant in exact lines for ease in cultivation.—Ed.

LOCUSTS FOR RAILROAD TIES.

The St. Louis Democrat says locust is considered better than oak for this purpose, but the best of either must be renewed every eight years. For every 1,000 miles of railroad there must be 25 miles of ties cut every year. Mr. Talmage, superintendent of the Atlantic and Pacific road, has been considering this matter, and has ordered an immense area along the line of his road to be immediately planted with locusts, either from the seed or from young trees. He intends to make this a permanent part of the business of the road and its employees in sections of country in which it is possible, and he believes that other lines will have to start "locust farms" before long also.

There can be no doubt as to the value of the Locust for Railroad ties, and many other valuable purposes, and if the Central Pacific Railroad Company should plant one thousand acres to the Locust it would be one of the best investments they could make. They have the land, and the cash would be a mere trifle. We suggest they do this and set the example.

PEA NUTS SHOWN.

The Pea Nut Crop in North Carolina and Virginia will only be two-thirds of a crop, while in Tennessee it will be only one-third crop.

California must give more attention to this article, as we can grow Pea Nuts superior to those grown in Southern States larger and finer, and if due attention was paid to them, we could raise them largely for export.

NEW ZEALAND FLAX SEED.

The New Zealand Flax can be grown with great advantage and profit in California, and become an article of large export to Europe. Thousands of tons are annually exported to Europe from New Zealand, realizing from \$15 to \$40, and even \$50 per ton.

The New Zealand Flax will grow upon high or low land, wet or dry, good land or poor land, and like the Canada Thistle, once in is hard to get out, covering the surface in a little time closely, and yielding an immense return.

Those who desire to know how New Zealand Flax grows and how it looks, can see two large plants in the Postoffice Grounds. The long broad leaves are the flax, each plant yielding heavily. Seed for sale at Farmer Office.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free at all months or weeks of the year—this is our custom, those who are in want should always call when in the city, we shall be glad to see them at our Reading Room, always open and free to all.

A VINEYARD—A BARGAIN.

We invite special attention to the Vineyard Advertiser in our Columns, it can be had at a very Great Bargain—one rarely met with, a Vineyard that will clear itself in three years.

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they can show Warrant Authority from us.

SPLendid VINEYARD FOR SALE.

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 8,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 25 Acres seeded to Alfalfa, and 20 Acres more of Summer Fallow land ready for seedling.

There is now upon the place a good Dwelling House hard finish of 5 rooms, with Kitchen, &c., a good granite walled cellar under the same, 16 feet deep—a Good Barn, a Wine House 4x22 with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmitts Improved Cop or Still that cost \$1,200 a Grape Crusher, a Shed and Shop 16x20 with all needed apparatus, and Farming Tools sufficient for the place. Choice Fruit Trees enough for Home use, plenty of Wood on the Farm, two fine Wells of Water and a living Stream of Water running through the land.

This Vineyard is located two miles west from "Shingle Springs" in Eldorado county, only Three-eighths of a mile from the P. S. V. Valley Railroad, and is easily located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT. Will be sold at a Great Bargain, if applied for soon, Terms Cash.

Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER. 40 6



Seeds! Fruit! Produce.

CHOICE FRUIT OF EVERY DESCRIPTION WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds always on hand.

Also Vegetables, H. say, Nuts, Botany, Eggs, Fish, &c., &c.

Strictest care used in Packing Fruits and Produce for Nevada, Utah, Colorado and the Eastern States. Orders solicited by

A. H. CUMMINGS & CO.,
30, 32, Second and 59 J Street,
40 8 SACRAMENTO, CAL.

G. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, Angelica, Etc.

Northwest corner of Battery and Pine streets,

SAN FRANCISCO.

NEW Bulbous Roots—Seeds.

The undersigned have just received a new and fresh Invoice of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquills, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTHS VASES AND GLASSES.

ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,
American Seed Store,

40 9 J Street, Sacramento.

THOS. A. GAREY'S

Semi-Tropical Nurseries,

SAN PEDRO STREET.

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 265,

THOS. A. GAREY,
Proprietor.

LOS ANGELES, CAL.

Send for Price List.

WANTED.

We will give energetic men and women

Business that will pay

from \$1 to \$5 per day, can be pursued in your own high

board, and is strictly honorable. Particulars free, or sample worth several dollars that will enable you to go to work at once, will be sent on receipt of 50 cents.

Address **J. LATHAM & CO.,**

228 Washington Street, Boston, Mass.

Ornamental Trees, A BARGAIN.

The undersigned desirous of giving his entire time and attention to his Apriates, and to confine his entire attention to the care and culture of his Trees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

AT A

GREAT BARGAIN.

as he is determined to close out all his Trees this Autumn. The following are now offered at very low rates: 5,000 to 8,000 Locust Trees, from 1 to 4 years old, 8,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form 4,000 to 6,000 California Walnuts from 1 to 3 years old. 1,000 Circassian Mulberry Trees—very fine. 500 American Black Mulberry, the fruiting species—the Fruit being very superior, the Trees great bearers.

Purchasers wanting any of these Trees, are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold.

Address, **J. S. HARBISON, Apriarist,**

SACRAMENTO.

Or OLE GOODRICH,

Riverside Road,

3 miles below Sacramento. 40 3



The Fourth Number of VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 5 cents.

First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 800 Illustrations, and a beautiful colored plate. Address, 39.23 **JAMES VICK, Rochester, N. Y.**

Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling

Lands, good soil for Orchard and Garden, neat

and pleasant Buildings. For these good and

valuable Real Estate, pleasantly located in a

good part of the City will be exchanged.

Address G. W. B., **FARMER OFFICE.**

39.17

PURE ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN BEE, raised and grown by the undersigned and reared in the HARBISON "PATENT DOME."

We can supply to the extent of 300 Good Swarms. These Bees require less care than any other Bees known and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the Apriarist also and see the vast numbers of Bees at work, wherever there is a Flower there will be found the "Bury Bee" at work.

Address **J. S. HARBISON,**

40.4 Sacramento.

THE CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the Century Plant and supposed to bloom only once in a Hundred Years is the Agave Americana or American Aloe, and is one of the most conspicuous and most desirable plants for a position in a large circle or front of a large border or in Parks at stated distances, in such places this plant, with PALMS, YUCCAS, DRACENAS and a few of this character give to fine grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to their value.

We can offer fine large plants of the Agave at from 50 cents to \$1.50 and so securely packed as to go safely any distance, they can be shipped now or later in the year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to.

Address **WARREN & CO.,**

Farmers Office.

Valuable Tracts of Land.

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These Lands are located in different parts of the State—some in each county from SANTA down to SAN DIEGO, all good Lands and can be sold on advantageous terms.

This List comprises about Twenty Thousand Sections.

Maps, Locations, &c.,

AT FARMER OFFICE.

SEED WAREHOUSE

WHOLESALE AND RETAIL,

409 & 411 Davis st., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsman & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN

SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip,

Parasip, Carrot, Celery, Peas,

Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

CHILI CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass,

Timothy, or Herds Grass,

Orchard Grass, Rye Grass,

and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street,

San Francisco.

40.8

GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN Grounds renewed and replanted, or those who desire to have Grounds laid out and laid out upon Scientific principles, and with correct taste and skill, as

Adapted to this Climate,

can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

to small Gardens, in our City, will be designed and laid out, and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

None but Educated men ever engaged in such work.

Address **WARREN & CO.,**

Farmers Office.

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisements, and send bill. We receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes—there is one essential Pre-requisite that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

DO TRY IT 3 Months for 10 Cents, or with \$3 Chromo, for 50 Cents. The National Agriculturist and Bee Journal is a sixteen page Paper of 64 columns, handsomely illustrated in all its departments. One of the Best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Bee Book, or \$1.50 with a beautiful Bee Book, and Liberal Terms to Agents, free. Write now to,

CHROMO.

40.4 **H. A. KING & CO.,** 14 Murray St., New York.

COMMISSION SALES-ROOM

—AND—

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following

THE POTATOE PLANTER,

JEBB'S PATENT CRURN,

CHEESE CURD CUTTER,

PATENT WEEDING HOR,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS:

ALSO

TOBACCO SEED,

COTTON SEED

COFFEE SEED.

TEA SEED.

THE TRAVELER'S GUIDE

FIELD, GARDEN, FLOWER,

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be secured at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care where they always can be selected. Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants and raising of Seeds, etc. Also respecting the mode and best system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE TRAVELER'S GUIDE,

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Traveling over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most commodious and comfortable Homes for those who Journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend them to whom we speak from a personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

THE CALIFORNIA FARMER.

SAN FRANCISCO.

THURSDAY EVENING..... JAN. 8, 1874.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

One Clay Street—Marble Building—Up Stairs.

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Grains, Grasses, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM.

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the Farmer Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the table for use; a Good Library of hundreds of volumes with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the California Farmer, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the Farmer with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

and for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

S. M. PETERSON & Co., 10 State Street; Box 27 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at our lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall direct their attention to such articles in each issue of the Farmer, to which we would direct their special attention.

We ask attention to the article on our Agricultural Page on Beet Root Sugar, a translation from Standard Authority, and valuable for those interested in this great and growing interest.

The article on "Percheron Horses" should receive special attention on those who are raising this valuable breed of Horses.

Our "Picture Gallery" of "Chronos" is necessarily deferred till our next.

We have several valuable Letters, also deferred to our next issue.

Our New Year's Carol with the Pleasant Memories, we shall sketch next week, so that we may keep them still fresh on the heart's tablet.

The interesting sketch of the character of Providence Agency, on our Front Page will be read with interest.

Orange Judd, Esq., as pictured in the columns of the Agriculturalist, will also be perused with great pleasure, showing what one man can do, to benefit the world.

The "Little Laborer," in Home Columns—While so much is being done for the education of the youth of this age, let all be careful to guard the little ones, and turn their little feet and hands into the right path, and direct them to the right kind of labor.

We are indebted to Wm. Hammond, Esq., Superintendent Park Commissioners, for a bound Volume of the Report of said great work, now in progress, full of interesting details from which we shall give data.

Very interesting Letters and reports from Australia in our next.

ONE OF THE GREAT EVENTS.

The "Calico Ball" to be given this evening at Union Hall, promises to be the great event of the Season. It is given in behalf of the "Ladies United Benevolent Society"—may it fill their Treasury.

THAT COLLAR.

The Collar invented by Politicians and Partisans always chokes and galls the neck of the wearer more or less, but the New COLLAR now offered by Messrs. Main & Winchester, for the nobles of all animals—is an easy fitting Collar, never chokes or galls, and thus it can be truly said to be the BEST COLLAR EVER YET MADE.

BATTLE OF NEW ORLEANS.

To-day is the Anniversary of the Battle of New Orleans, or as it has been called Gen. Jackson's Battle behind the Cotton Bage, at all events it was a decisive Battle, and struck a decisive blow, which gave Gen. Jackson great renown.

To-day the Stars and Stripes wave gaily in honor of the day, "Day that should always be kept as a landmark for Freedom."

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements appear in New Year's Numbers of which we shall scatter Many Thousands should send in their "Orders" early; that they may be placed in the best position, and that they may be placed in the best position, and that they may be placed in the best position.

WISE CULTIVATION, SURE AND GOOD RESULTS.

The present planting year (including the autumn of 1873), which comprises July to July, there will have been planted on dry soil, and more on "Summer Fallow" than ever before by more than one-half. Past experience has fully shown that land well prepared and planted early on Summer Fallow, or in deeply cultivated dry soil has produced better crops than any other system.

Our Grain-growers are learning also the great importance of a Change of Seed, and the planting only the purest and best. It has been a very great error to plant the same seed upon the same soil year after year.

Messrs. Van Woert Bros. have done a good service to our State by introducing their splendid samples "The Pride of Battle," and those who have not secured that variety have made a very great mistake, as it is one of the purest and best varieties, and the most productive that have yet been tried.

The late heavy rains will delay planting on low lands, but there has been so much rain fallen, and the earth so deeply saturated that planting will be continued to a late period, it will be disastrous to plant wet lands, or plant on wet soil.

We repeat our opinion, that there will be full Fifty per cent. more land planted to Grain the present year, '73-'74, than ever before, and on better cultivated land too, so we may look for a Harvest in 1874 that shall astonish the world.

THE GRAIN CROP OF CALIFORNIA.

On the 10th December we stated as our opinion that the amount of Wheat then on hand would sum up 150,000 Tons, this was considered by many who profess to know so much, too high, and the "Corn Exchange" about this time resolved to make a careful estimate of the Stock of Wheat Barley and Oats on hand in this State.

Their report will be made this week, and it will be found we were not too high in our estimates, for after an export of several cargoes some 10 or 12, the exchange will report 153,000 Tons still on hand.

Thus it will be seen, that when the whole exports are summed up, and the stock on hand at the New Season, California will show a Harvest fully equal to last year in quantity, and much greater in value.

We think however the Corn Exchange report is large, as quite a large amount has gone abroad since our report.

Their report of the Stock of Barley on hand will be 30,000 Tons, a little too large, Oats 5,000 Tons, California has done nobly for 1873.

COLD WEATHER BENEFICIAL.

However unpleasant to the senses the present raw cold weather may be, it is nevertheless very much better for Orchards, Vineyards, Gardens, Plants, and Vegetation generally.

Should we have warm weather set in rapidly now while the earth is so wet, all plowed lands would bake or become lumpy, instead of drying moderately, and thus delay good cultivation.

It is certainly better that cool weather should rule for a little time, else with too warm a sun the fruit buds will push too rapidly, and be exposed to injury which usually follows a long wet season.

Now is the time to do the work of pruning in the Orchards, now before the sap runs up strong, pruning done now, will have the ascending sap to aid in healing over the wounds made in pruning.

Great care should be observed in pruning, not to cut away the Fruit Spurs on the body of the tree, and on the large limbs, as the best Fruit is borne on the Fruit Spurs.

The Law in pruning is, "every branch that beareth not Fruit cut away, and every branch that beareth fruit, prune, that it may bear more Fruit."

In pruning, shorten the head limbs, leave no long pendant limbs, the best fruit is always found near the center of the tree, on Spurs or short branches, never on long drooping, pendant limbs.

A few weeks cool weather now to retard the action of the sap in trees, will be the salvation of our Orchards and Vineyards.

Our early Grass and Feed Grains will be stronger and better, if cool weather continues, too warm weather would hasten them so rapidly, and make them so tender, that a frost would spoil all, it is therefore better that we should have two or even four weeks of cool retarding weather before the warmer rays fall upon the earth.

OUR HOME POETS.

California has always given a generous encouragement to her own Artists in every department of Literature and Science, and thus our fame as a State where Genius finds friends, gives us true credit.

INA COLLETRATE.

The very popular Poetess, whose writings have graced the pages of the Overland Monthly, will receive on Thursday evening next, (the 15th), a Testimonial Benefit at Pratt's Hall, as an evidence of the appreciation of her friends and the public.

The entertainment will be of a high character, and will be conducted and sustained by the best Artists of our city, and it is anticipated that it will be one of the best entertainments given this season, worthy this accomplished and most deserving Lady.

LECTURES ON ELECTRICITY.

The Course of Lectures to be given by Professor Neil at the St. Ignatius College will commence on the 15th at that Institution, and will be one of the most interesting ever given on this science on this coast, worthy a large attendance of our people.

A Farmer in Genesee County, Mo., claims to have raised a stalk of Corn this year producing Forty-one well developed ears.

ORANGE JUDD, THE AGRICULTURIST.

We give on our First Page a very interesting sketch of this truly distinguished man who in a few years has done great things for the cause of Agriculture over our Land.

We find this sketch in the American Agriculturist, a Journal of his own making, and we can say the Best Agricultural Publication of our Country, and in saying this we do no disparagement to the many other truly valuable Journals, but simply Justice to the Agriculturist.

In addition to that Journal, the Agricultural Books that have been sent forth by Messrs. Judd & Co., have done a world of good.

The sketch shows the immense labor that has been given to make that Journal what it now is, the leading Journal of the Country, and the Hon. or won has been truly earned, and is justly merited, and we take great pleasure in thus giving the valuable sketch to our readers and counsel them all to be sure and have the Agriculturist in their hands every month, and thus be the richer and better for it. A cut of this distinguished man occupies the front page of the Agriculturist for January.

GROWTH OF CALIFORNIA.

California now claims a population of 700,000 people, and while we can note a steady increase of a first-class people now, who come with their families and with means, we still feel that after a period of nearly 25 years, we at least should count a Million.

The City of San Francisco claims 200,000 inhabitants, and as the Metropolis, it is the great depostory of wealth and the great mart of trade.

The shipping in the port of San Francisco at this time is Thirty-one Ships, eleven Barques, three Brigs and four Schooners, the nationality of them is as follows:

Ships, 15 English, 15 American, 1 Dutch.
Barques, 4 British, 3 French, 2 American, 1 German, 1 Russian.
Brigs, 2 American, 1 Russian.
Schooners, all 4 Americans.

Thus it will be seen, that of 49 Vessels, only 23 are Americans, where are our Ship-builders.

The estimated value of Property in our State is in round numbers \$530,000,000 of which the City of San Francisco has \$215,000,000, a Rich and Industrious City.

With the vast resources of our State, its unsurpassed climate, its great fertility of soil, we should hope we may now look for a more rapid increase of population, and a still greater development of our resources, to this all important end we look to a wise Legislature, hoping much from the present session which gives promise of practical good.

THE BUTTER MARKETS.

As we noted in report in our Market Columns the Stock of Butter was so large that, "like sending coals to New Castle" we had sent a large quantity of Butter to New York over the Railroad, not only our own California sweet "Roll Butter" but a large quantity of Eastern Butter has been re-shipped, and with an anticipated profit, also after paying freight both ways.

The shipment of a Carload of Butter by Messrs. Wooster, Stat'ack & Co., noted dealers in Butters and Cheese, of this City, is an event worth noting just now. Butter has ruled very high all very recently, now there seems quite an overstock and prices greatly reduced—so much so that it is expected a good profit can be made by shipment to New York.

Of this shipment 4,000 lbs., (2 tons), was choice Roll Butter, the balance Eastern Butter returned whence it came, the New York market ruling high just now. It is anticipated other shipments will follow to relieve our market—they will if it pays.

MESSRS. WALTER BROWN, SON & CO.

We would call special attention of our Wool Growers and Wool Dealers to the "Wool Report" of this well known and prominent Wool House of New York.

Being one of the largest and most responsible, as well as best informed, in regard to the Wool trade of Europe, as well as our own Country their Reports can always be relied upon as correct. It will be borne in mind that two months since they asserted a better prospect for wool in the future, that better time has come, as the present condition of the market shows.

We also call attention to their Special Card of their New Co-partnership, just formed. To this Firm we can cheerfully commend all who wish to open up their business in New York and make Shipments of Wool for prompt sales.

THE SEASON OF LECTURES.

The Season of Scientific Lectures has well begun the "Mechanics Institute Lectures," are very important (see Card in our Columns).

These Lectures are given by President Gilman and the Professors of the University, and are of a very high order, and of very great value to our community, President Gilman is inaugurating a course for the youth of our City and State, that will be a great blessing.

WOOL AND HIDE SALES.

Those who wish to make good sales of Wool, Hides, Grain, or other products should be sure to make the acquaintance of the Firm of

Messrs. Howe & Co.,

on Davis-street. This Firm have years of experience, a good knowledge of all the markets, and can work to great advantage for their customers, and secure for them the best market values.

RICH FURNITURE.

Purchasers of Furniture must not forget that the Largest and Richest Stock yet shown, is now rapidly selling at 220 to 250 Bush street, the Warehouse of the California Furniture Manufacturing Company.

A NEW YEAR'S GREETING.

[The following very happy sentiments we find as a Greeting in our cotemporary the Commercial Herald of this City. They are so excellent we desire to sow them like good seed "Broadcast" over this State, and that there may be a rich harvest of Noble characters in the rising generation that is to govern our State—and success to the Herald also.—Ed. F.]

One after another the fleeting years drop from the hand of Time into the lap of Eternity, leaving behind them their records of weal or woe, of success or adversity, of hope or despair. The now historic pages of 1873 teem with a recital of blessings conferred upon California. A beautiful harvest heaped full our granaries; no malignant pest (the desolated our State, no devastating Conflagrations beggared our people; no financial disasters wrecked our business men; no blood-curdling earthquakes shook the foundations of our land, no one in all our broad domain was frozen to death, and none perished from sunstroke; no withering lightning scathed us with their sheets of flame, nor did any evil come upon the people of California. Our population was measurably increased, our commerce augmented, our manufactures were multiplied, our field of business operations was largely extended, our agricultural prosperity was most gratifying, our mines generously gave up their glittering treasures, and the year 1873 closed its plucked plumes, bequeathing as its legacy a wealth of hope and confidence for the future. Then let us welcome its successor with open arms and joyous hearts—extend to your fellow-men the right hand of friendship and kindness. Even as you have been favored, do favor to those about you. Make a retrospect of your past, and let it be a guide for your future. Stand erect in your manhood, but tread not charity under foot. Greet one another with a "Happy New Year," and strive so to live as to merit at the close of 1874 a large addition to the blessings heaped upon you in 1873. To those staunch and true friends who have supported us from the commencement of this Journal, we tender our most cordial greetings and warm acknowledgments, and to those who know us not, we also desire substantial happiness.

THE REFORM SPIRIT.

It is a cheering thought that amid the many evils and dangers that threaten our Community these dangers are now being realized and efforts made to arrest them.

We are glad to see that the Press speaks out, and in a voice of earnest warning too.

A recent number of the Examiner has plainly and manfully speaks of Intoxicating Drinks, Unchaste Books, &c. It speaks thus:

"There should be some law to prevent the publication and sale of the infamous prints which are constantly offending the gaze of decent people and contaminating the minds and morals of the young of our cities. The appetite is said to grow by what it feeds on, and we have observed in this city that the appetite for salacious literature and plebeian prints, lithographs, and chromos, revealing the human form in various stages of nudity has attained an enormous growth from an almost imperceptible beginning."

Again in urging the responsibility of Parents to a wise care of their Children, and in proper instruction for them in a knowledge of their own being, it uses the following true suggestion in order to guard them from the Social Evils that surround them:

"In this matter much may be effected socially by the dissemination of accurate information among the young by parents. Here, as in all the cruel perplexities of life, it is the truth which shall make free. Our children fall into temptation because they do not know that it is temptation. Systematically and without compunction we deny to their innocent questionings the knowledge their opening minds instinctively seek. We proscribe to them about the most wonderful and mysterious functions of the body, and then we seek our pillows with tears because these eager learners have stolen from their sources a knowledge which our concealment has made guilty. Mothers are embarrassed before their daughters, risking their purity, their health, their future maternally even, on the chance that no light may dispel their maidenly ignorance until they are women grown. Fathers permit their sons to walk unwarned through perils more deadly than pestilence and sword."

We hope our Legislators will throw around our Community all the guards possible by the strong arm of the Law.

EASY COME, EASY GO.

California's street, the pave of crass speculators, is now in wild commotion, those who a few days since were building "Castles in the Air," coughing their riches by tens and hundreds of thousands, to day see them melt away like snow before a warm sun. "Fortune is Fickle," nothing certain, easy come, easy go—it is the Game of Faro, or another name, and worse even than Faro or Card games.

THE YOSEMITE LECTURES AND SOJOURN.

J. M. Hutchings, Esq., the well-known Yosemite Pioneer, who has recently been showing up the most interesting points in this wonderful Valley, is still continuing his entertaining and instructive Series. Those who have not yet heard Mr. Hutchings should by all means attend his Course, it will well repay them.

Mr. Hutchings exhibits very large collection of Views of Yosemite Valley, takes the trip over the Railroad from "Ogden." The Pictures and Descriptions are admirable and very interesting—wonder he will give them over the State, and also particularly before the Legislative Body now in session.

THE GORHAM SEED SOWER.

News From THE SOUTH.

Messrs. WARREN & Co., CALIFORNIA FARMER: Dear Sirs—For the benefit of Farmers let me say a word in praise of the Gorham Broadcast Sower and Cultivator Combined. Last Fall, while in Sacramento, I purchased of A. J. Bonner one ten foot Machine. I have given it all the tests a machine can be put to—and as a Sower and Cultivator it has no equal. My Barley and Alfalfa has come up, and it is more even and uniform than I ever saw grain distributed by hand or any other machine. It works and performs to my entire satisfaction. Many of my neighbors have been to see it work, all agree that it is a most perfect Machine, and most come into general use. The various sizes that Mr. Bonner has made—from 6 to 16 feet wide—will accommodate all Farming capacity. Yours Truly,

Geo. G. Swett,

San Buenaventura, Cal.

MORE REFORMS.

INTOXICATING LIQUORS.

The State Board of Health are moving in the matter of Strong Drinks and the evil resulting therefrom.

The Law establishing the Board of Health compels them to this duty.

It reads, that it is their Duty to "Examine into and report what in their best judgment the effect of the use of intoxicating liquor as a beverage upon the industry, prosperity, happiness, health, and lives of the citizens of the State; and, what legislation, if any, is necessary in the premises."

Dr. Henry Gibbons in his able Report to the Board says:

The annual cost of Intoxicating Liquors to the United States is \$25 to every Man, Woman, and Child, a sum total of One Thousand Millions of Dollars, and the Doctor estimates that California spends Twenty Millions Dollars annually, which would be about \$30 to every inhabitant of the State.

As to what can be done to stay the evils of Intemperance, which is so great in our midst, what Legislation is needed, and what can be effected the Doctor says very justly:

"So manifest has been the pernicious influence of strong drinks in all ages and all countries, that scarcely any civilized people of ancient or modern times has tolerated their indiscriminate sale. Human ingenuity has been tortured to contrive laws by which to restrain the traffic within given limits. It is one thing to enact laws, another to execute them; and the execution of law on this subject appears beset with extraordinary difficulties. A business which transfers from the pockets of consumers to those of distributors upwards of a thousand millions of dollars per annum, is more likely to control legislation than to be controlled by it. The interests of the many, who sell, and the appetites of the many, who drink, form a combination too powerful to be overcome or seriously restrained either by moral or legal agencies. And yet there is a general demand for some form of legislation which will suppress the indiscriminate sale of liquor, and relieve society from a portion, at least, of the resultant evils."

GAMBLING.

The evils of Gambling in all forms is now attracting attention, and efforts will be made to stay its fearful tide.

Stock Gambling, fully equal to any other form, is now at its height, and of this the Call recently speaks thus:

"Stock gambling in this city has unquestionable been the ruin of thousands. There are numbers of hard-working people here who turn over nearly all of their earnings to be lost in this way, year after year. Vast sums of money are lost to the community annually by keeping up quotations of mines which are worthless. Men are kept employed about numbers of mines which are known to be of no value, simply to dupe the unwary. The labor of these men are lost to the community. What man, for instance, who is posted, would place his money in a mine which has sunk thousands of dollars during thirteen years without ever paying a dividend, unless the purpose were to inflate and sell the stock to outsiders? There are just such mines as this on the market, which are inflated regularly year after year."

GREAT STOCK OF FURNITURE.

The Stock of Rich and desirable Furniture, now offering by the California Furniture Manufacturing Co., has never yet been equalled on this Coast, either for extent or excellence, it is worthy the special attention of all who are furnishing their Homes, and they can be assured of better goods for their money than they can purchase elsewhere.

FEED THE BIRDS.

The long severe cold wet weather has been hard upon "the little Birds" that hover around our dwellings, and at every break of the clouds they hop down upon the ground to look for food. Now "Remember the little Birds" and go out and scatter the crumbs for them, give them a Christmas Festival too, and thus get a rich reward in their cheerful chirps of thanks as they gather up your Feast.

"Remember the Birds."

Live for something; yes, and for something worthy of life and its capabilities and opportunities for noble deeds and achievements. Every man and woman has his or her mission in life, and responsibility of daily life.

By neglecting to reprove our neighbor, we make his sin our own, we become accountable for it to God; we saw his danger, and gave him no warning.

New Advertisements.



MAGNIFICENT
FURNITURE.

THE LARGEST
—AND—
Most Complete
STOCK
In the World!

—AND THE—
Superior Quality
—OF—
OUR GOODS
—IS—
Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY
are being constantly introduced,
in addition to our

Immense Assortment
OF PLAIN AND COMMON FURNITURE, that cannot
be equalled.
NEW ARTICLES of our own manufacture, warrant-
ed to stand any climate,
San Francisco made goods sold at Factory Prices, but
NOT QUANTIFIED.

Elegant, Ornamental and Useful
Articles,
—FOR THE—

HOLLYAYS
NOW BEING
RECEIVED DAILY,
ALL OF WHICH

We Propose to Sell at
Extremely Low Prices.

CALIFORNIA
Furniture Manufacturing
Company,
220 to 226 Bush street.

40.11

50,000

EUCALYPTUS

TREES.

Eucalyptus Trees 8 to 10 feet high,

Trees 6 to 8 feet high,

Medium Trees 4 to 5 feet high,

Third size 3 to 5 feet high,

Second size 2 to 3 feet high,

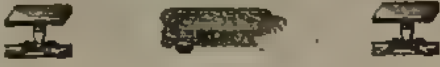
The Mass size 1 to 2 feet high.

These Trees are of a good Healthy growth,
and can be packed to go any distance safely
and will be sold low in large lots.

Address, or call at the
FARMER OFFICE.

40.12

New Advertisements.



CARPETS.

OIL CLOTHS,
FINE FURNITURE,
AND

Upholstery Goods,

New Importations.

The Finest and Largest and Cheapest assortment of Goods
in our line ever offered to this market.

ALL STYLES OF CURTAINS AND CURTAIN
MATERIAL.

FURNITURE ALL STYLES AND PRICES,

Carpets from the lowest to the highest Grade in
New Styles

FURNITURE IN NEW AND UNIQUE DESIGNS

An examination of all Goods and Prices respect-
fully solicited

PLUM, BELL & CO.,

22, 24, 26, and 28 POST STREET,

40.12 SAN FRANCISCO.



THE
American Chief

PREMIUM

GANG PLOW,

BY

MATTESON & WILLIAMSON.

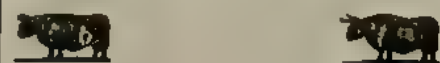
These noted Gang Plows have taken the Premiums at the
State Fair, and at the District Fairs wherever exhibited, and
have sold as many as any other Gang Plow made.

The American Chief is the result of years of study
and experiment by thorough practical mechanics who are
Plow makers by long experience in the work.

This Plow is constructed to meet the wants of our Farm-
ers, quickly adjusted in all its parts, and so easy in its
working that the tension of the Plow will move over any
change in the surface of the soil without deranging the shares
of the Plow.

By the perfect construction of the Plow, its wheels are the
governing power, while the plowman may move on in his
work in confidence that it will be done quickly and most per-
fectly. So admirable has it proved by the hundreds that
have used it, that it is admitted to be the best Gang Plow yet
manufactured.

For Circulars or particulars and for purchase,
Address MATTESON & WILLIAMSON,
40.13 Stockton, Cal.



THOROUGHBRED

CATTLE

FOR SALE.

WM FLEMING OF BROWN'S VALLEY, NAPA
CO., offers for sale One Devon Bull, EARL OF LEI-
CHESTER, 2 years old—a superior animal.

One Devon Cow VICTORIA, now with calf, 4 years
old.

Also One Heifer—a fine animal.

The above Cattle have taken the Premiums at the
District and State Fairs, and will have full Pedigrees
guaranteed.

40.20

SEED WHEAT.

I now offer to farmers of the State a quantity of that un-
equalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Ton. For one Ton and upwards Four
Cents delivered on board the Cars at Ford.

Orders addressed to Geo. F. Moore, Chico, or Wm. Van
Woert, Napa, will receive prompt attention.

The peculiarity that recommends the "PRIDE OF
BUTTE" to wheat raisers are its great productivity, small
amount of seed required, short, stout straw adapts it to
rich lands and summer fallow. For quality and quantity of
flour it excels all other varieties.

Samplings were exhibited at the State Fair and won the Prize.
The four made from it also won the Premium.

WM. VAN WOERT,
Napa, Butte County, Cal.

40.21

The Napa 3-Wheeled Iron Gang-Plow,

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the superintendence of
D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by
its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.

SECOND. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and low-
ering, without any exertion on the part of the driver.

THIRD. IT IS LIGHT OF DRAFT, the lightness of draft enables two horses to do the work of three.

FOURTH. THE LINE OF DRAFT. It is a center-draft plow. An adjustable device connects directly
with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts
itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.

FIFTH. EASE IN TURNING, by means of the rear wheel the plow can be turned with ease in its
own length, making a great saving in time to the course of a day's work.

SIXTH. IT IS EASY ON THE HORSES' NECKS. By raising the driver's seat on the rear end of the
pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.

The following testimonials show what farmers think of it:

"We, the following farmers, were present at a recent trial of this plow and found two mules to do
excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.)
Jesse Grigsby, Benj. McCoombs, A. Y. Clark, W. H. Gibbs, J. J. Regadele, E. D. Sawyer, D. O. Waller, M.
Hewes, and others." Messrs. Nathan Coombs, J. D. Blanchard, Van Felt and others, also testify to its
merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

40.9 NO. 3 & 5 FRONT STREET, SAN FRANCISCO.

THE
PHOTOGRAPHIC

SUN PEARL

AND

ART GALLERY,

526 MONTGOMERY ST.,

CORNER OF CLAY,

SAN FRANCISCO.

MESSRS. W. F. & N. J. BAYLEY,

HAVING REMOVED FROM

618 and 620 Washington Street,

Having opened, under the above name, a First-
class Photograph and Art Gallery, to which
they would kindly call the attention of their
many friends and the public in general.

THE GALLERY

Is fitted in the most elegant style, and a number
of First-class artists are engaged, who will en-
able the undersigned to produce Photographs
and Pictures not to be surpassed by those of
any other similar institution.

Our Motto shall be, "First-class Work
and Moderate Charges."

W. F. & N. J. BAYLEY,

40.7 526 Montgomery Street, corner Clay.

WAX FLOWERS

AND

WAX FOLIAGE.

THE NEW METHOD OF MAKING

WAX FLOWERS AND FRUITS.

AND ALSO

the Preparation of the Foliage and Flowers and
Plants of every kind as now taught by

Madame Herman, of New York.

ANY LADY OR CHILD

over eight years of age, can now learn Madame Herman's new
method of making Wax Flowers for only \$2.50 by purchas-
ing her new book of instructions and an entire set of moulds

Other book of instructions in the beautiful art of making
Foliage, which is a perfect representation of the natural
leaf and made without moulds or casters. Price only \$1.00

These books can be had from the author MADAME HER-
MAN, No. 113 West 41st Street, New York, or can be had
at the OFFICE OF CALIFORNIA FARMER.

40.10

THE CORHAM

PREMIUM BROADCAST

SEEDER

AND

CULTIVATOR

COMBINED!

The Premium Gorham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the
State Fair at Sacramento in 1872, also at Modesto and
Chico—the only places it was entered. The Gorham
Seeder has been awarded the highest merit that prac-
tical farmers can bestow, wherever it has been intro-
duced. Letters from the various Agents throughout
the State of California and Oregon speak of the suc-
cess and the perfect manner of its working, together
with the great saving of seed, time, and money in
sowing and covering, even beyond their most an-
guish expectations. This celebrated machine is des-
tined to supersede all other processes of sowing and
covering all classes of grain and grass seeds, as it is
capable of doing a greater amount of work, and bet-
ter work, with a saving to the farmer from one fourth
to one-half the ordinary expense. From many sources
comes the intelligence that one of the Gorham Seeders
will pay for itself from one to three times the first
year, and with ordinary care the machine will last for
ten years. MAKE THE COMPARISON, AND BUY
A GORHAM SEEDER.

Read the numerous letters from practical far-
mers who have used it on the Pacific Coast. Any one
desiring to learn more particularly of its merits, is re-
spectfully invited to write to any of the parties men-
tioned herein for such information.

Modesto, April 20, 73,
A. H. BONNER.—Permit me, as well as so many others to
say something in praise of the GORHAM BROADCAST SEEDER
and CULTIVATOR. Last winter I bought of W. J. Houston, of
Modesto, the Sixteen Foot Seeder; after using them, I find
that for saving of time, labor, seed and expense, and the per-
fect manner of doing the work, that I have no hesitation in re-
commending them to every farmer as one of the best Machines
in the world. Too much praise cannot be said in favor of the
Seeder. Respectfully, J. W. MITCHELL.

WALTON'S RANCH, COLUSA CO., March 5, 1873.
Messrs. A. J. BUNN.—We have used the Ten Foot Gor-
ham Broadcast Seeder and Cultivator, purchased of you, and
cheerfully to its merits. We liked it so well that we
shall want to purchase another. We have sowed about Five
hundred acres with it this year, giving it a fair trial. If we
could not replace it we would not take a thousand dollars for
the one we have. The Machine will accomplish all you re-
commend it for. One of our neighbors has one and speaks of
it in the highest terms. You can use it in your wish for pub-
lication. Yours truly, SHERMAN & VERCKER.

A. J. BUNN, Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
A. K. KELLEN & Co., Ag. Warehouse,
J Street, Sacramento.

40.6

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Ex-
press, charges paid, \$2.50. Send orders to the Farmer
WARREN & CO.



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FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS.

313 CALIFORNIA STREET,

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40.1

NEW STYLE

—OF—

WATER PIPE.

New Invention!

WOOD PIPE FOR

CONDUCTING WATER.

This Pipe is made of all sizes, from ONE to TWELVE
INCHES BORE, and suitable for conducting Gas, or Wa-
ter, with bear as heavy a pressure as Iron Pipe, and will
endure an equal length of time, and at much less cost.

This Pipe will be found valuable upon large "Stock
Ranches," and in Orchards and Vineyards.
Descriptive Catalogue, with the List of Prices can be had
on application to

H. F. WILLIAMS,

381 Montgomery Street,

SAN FRANCISCO.

40.7

50,000

NEWSPAPERS

FOR SALE.

A Large collection of Newspapers of all kinds
Foreign, Domestic, Agricultural, Scientific and
Literary, together with many kinds of Maga-
zines, being the various kinds received during
years of Exchange beyond our own wants for
binding, and suitable for the making up of
"Serap Books," as the collection of valuable
Data of the past Twenty Years, while many of
the valuable European and Eastern papers would
make a list for a Library, or Reading Room for
"Farmers' Granges," containing matter of great
value to the searcher after knowledge.

ALSO

20,000 Large Newspapers for Packing, being
strong quality of paper. These all will be sold
in Lots to suit, can be had at the

FARMER OFFICE,

320 Clay Street, up Stairs.

COPARTNERSHIP NOTICE.

We have this day admitted into our house as
partner, Mr. GEORGE H. KRAUSE and Mr. JORIAN
L. CHAPMAN, formerly Messrs. KRAUSE & CHAPMAN,
of this City, and shall continue the Wool Com-
mission business, under the firm name of WAL-
TER BROWN, SON & CO., at our new store,
No. 146 Duane Street. We shall aim to have
always on hand a good assortment of desirable
Wools, which we will sell at the lowest market
prices; and as our warehouses are spacious and
particularly well lighted, purchasers will have
unusual advantages for examining the Wools
offered.

Wishing our friends the compliments of the
season, we respectfully invite them to give us
an early call. WALTER BROWN & SON.
New York, January 14, 1874

A VINEYARD—A BARGAIN.

We invite special attention to the Vineyard
Advertised in our Columns, it can be had at a
very Great Bargain—one rarely met with, a
Vineyard that will clear itself in three years.

Miscellany.

TWIST THE TONGUE.

The following examples in articulation we clip from an exchange. Many of them are old, but will not entirely wear out. Some of our younger readers may play "twist the tongue" with them for a while during the holidays:

Of all the saws I ever saw, I never saw a saw saw as this saw saw.

Gray Craycraft caught a crate of crickled crabs. I saw a crate of crickled crabs Gray Craycraft caught; if Gray Craycraft caught a crate of crickled crabs, where's the crate of crickled crabs Gray Craycraft caught?

Thou wreath'd and muzzl'd at the far-fetch'd art, and imprison'dst him in the volcano Mexican mountain of Pong-o-cat-a-pet-i, in Co-to-pax-i.

Peter Piper picked a peck of pickled peppers; a peck of pickled peppers Peter Piper picked. If Peter Piper picked a peck of pickled peppers, where's the peck of pickled peppers Peter Piper picked?

Peter Prangler, the prickly pear prickler, pickled three pecks of prickly, prangley pears from the prickly pear tree on the prickly pear trees.

When a twister twisting, would twist him a twist, twisting a twist three times he will twist; but if one of the twists twists from the twist, the twist twisting, untwists the twist.

Robert Rowley rolled a round roll round; a round roll Robert Rowley rolled round. Where rolled the round roll Robert Rowley rolled round?

Thorephias Thistle, the successful thistle sifter, in sifting a sieve full of thistles, thrust three thousand thistles through the thick of his hand.

Villy Vités and Vile went on a voyage to Vest Vison and Vest Viodham von Vison Vednesday.

I saw Beau Kissling Kate;
The fact is, we all three saw;
I saw Beau, he saw me,
And she saw I saw Beau.

A NEW GAME.

"Blowing Cotton" is a sitting-room game of the jolliest sort. Let as many as cup, be seated around the table, with hands folded and arms extended along the edge of the table, each person reaching elbows with his neighbor on each side of him. Take a small piece of common cotton wool, picked up so as to be made as light and airy as possible. Put this in the center of the table. Let some one count "one, two, three," and then let each one blow his best to keep the wool away from himself, and drive it upon some one else. No one must take up his arms to escape the cotton. When it alights, take it up and start again. It will be a very sober set indeed, who can play two or three rounds without indulging in the baseliest sort of uproarious laughter.

A BIG MONEY-CHEST.

The Bank of England covers five acres of ground, and employs nine hundred clerks. There are no windows on the street. Light is admitted through open courts. No mob can take the bank therefrom, without cannon to batter the immense wall. The clock in the center of the bank has fifty dials attached to it. Large cylinders are sunk in the court, and engines in perfect order are always ready in case of fire. The bank was incorporated in 1694. Capital \$90,000,000.

Everybody has heard of "Dick Yates," late United States Senator from Illinois. Some years ago, when he was Governor, the Rev. Dr. Clover, then residing in Springfield, Illinois, and rector of the Episcopal church there, was invited to be present as a guest at a marriage ceremony to be performed by the Baptist minister. In performing the service the clergyman officiating used in part the following form: "By the authority vested in me as a minister of the Gospel by the Governor of the State of Illinois, I pronounce that you are man and wife." Dr. Clover, who was perhaps a little disappointed not to have been called upon to officiate, when the service was over, said, "I well know, my good brother, that you repudiated the doctrine of apostolical succession, but I did not know, until you intimated us to-night, that your authority as a minister of the Gospel was from Governor Yates, of Illinois!"

A barber and surgeon don't differ much. One lives by his hands and the other by his heels.

The reason why a watch is called a watch is evidently because it is always "on its guard."

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requiring us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity to our cause and to our State, Journals that will extend California interests and speak of our State as it deserves, will receive our first consideration.

We desire first to extend the information of our rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for our State or for us we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and as we pay the postage this side on all we shall continue, others will receive due notice of our declining Exchange.

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

108 & 110 Front street and
12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers,

Sweepstakes Threshers

ROLLINGSWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,
all sizes from 7 to 16 inches.The DEER PLOW is far Superior to all other
Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability and Rapid Cutting is
not equaled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel
PLOWS from 7 to 20 inches.

BOSTON CLIPPER PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE
HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full Stock of Plows, Harrows, Cultivators, Horse
Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO.,

108 & 110 FRONT STREET,
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NEVILLE & CO.,

Bag, Tent, and Hose
Factory,113 Clay & 114 Commercial Streets,
San Francisco,Importers, Manufacturers, and Dealers in all
kinds ofBags, Burlaps, Duck, Can-
vas and Cottons,

ORDERS RESPECTFULLY SOLICITED.

J. M. NEVILLE. O. H. BRANT.

39,20



A FINE HOME

FOR SALE.

A very fine located Farm or 195 Acres of Choice
Land, about one mile from Calistoga, in Napa
County.Forty Acres of this Land is cleared and fenced,
Living Streams of Water run through this Farm, and
abundance of Mountain Trout are in these streams,
Mineral Springs too, abound.A new House, 30 by 32, with Kitchen attached, 12
by 12, and Store and Bath Rooms.A Barn and other Out Buildings are in good repair.
On the Farm 4,000 cords of wood can be cut.The Vineyard contains 7,000 Vines of the best va-
rieties in bearing, with 20,000 young vines in nursery
of the best of foreign varieties.

The Crop upon the Farm this year was as follows:

30 Tons of Potatoes,

200 Bushels of Wheat,

1200 lbs. of Blackberries,

170 lbs. of Strawberries,

and abundance of Vegetables of all kinds.

On the Farm there are 3 Horses, 1 Cow, 12 China
Pigs, a new 4-horse Wagon, a new Cart, Bag and
Harrow complete, and all kinds of Farming Tools
needed for a well kept Farm.There are other valuable items and properties con-
nected making this place one of the most desirable for
a delightful "Homestead" that can be purchased.The Owner has business that calls him from the
State, which is the only reason for offering the place
for sale.The Farm and Buildings with Stock and all com-
plete will be sold at a Great Bargain if applied for im-
mediately.Address L. B. S. at the FARMER OFFICE for
4 weeks from this day, as the place will be sold
quickly.

FREAR STONE

COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and
Ornamental,At greatly reduced prices from the cost of natural
cut stone, fire-proof and enduring

ASHLER, DOPING, SEPS.

MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of
other cut stone. Vases, Urns, Fountains, Tiles, Bridge
Piers, Foundation Stones, in fact work of any and all de-
scriptions usually made in stone or marble.In colors we imitate Red and Yellow Sandstone, White
and Black Tiles, French Grey, etc.Architects and Builders are particularly invited to examine
our Stone and Prices before ordering other building material
JAMES GAMBLE, President,
R. WEGENER, Secretary.

Office, 414 California Street.

Office and Works, 1333 Broadway, bet 4th and 5th,
SAN FRANCISCO.

J. V. CUSHING, General Superintendent.

Cashmere Goats.

The undersigned desires to call the attention of all
who want to purchase choice CASHMERE GOATS to
the large and fine herds he has for sale.He has on hand and now ready to deliver
Pure Blood,

Half Breed, and

All Grades up to Pure.

These Goats are of superior form and beauty, and will
be offered as may be wanted by purchasers. They can
be seen at the farm of the undersigned, located four
miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Eldorado, Eldorado Co.

N. G.—The undersigned can particularly refer to the
Editor FARMER for the excellence of his Band of Goats.
The Editor can also give particulars. N. G.

37,17

THE INFALLIBLE COUGH AND
CONSUMPTION CURE!As a remedy for Coughs, Colds, Soreness of
Pains of the Chest, Whooping Coughs, Phthisis,
Bronchitis, Asthma or Consumption the IN-
FALLIBLE COUGH AND CONSUMPTION CURE has no
equal. In cases of Consumption the patient
should take in consideration the condition of
the lungs. If they are too far gone, of course
a perfect cure is impossible, although in many
cases when Physicians have given up all hopes
it has effected perfect cures. Sometimes Phy-
sicians are mistaken. The best proof of this is
to try three or four different ones, and in nine
cases out of ten every one of them will have a
different opinion and prescribe different reme-
dies; so before giving up all hopes give the
INFAILLIBLE CURE a fair trial: If there is a pos-
sibility of a recovery, the patient will not re-
gret using the INFAILLIBLE COUGH AND CONSUMPTION
CURE. It acts as a stimulant and a light
expectorant, but its virtue, its strength and its
wonderful effect on the lungs is centered in its
great healing powers, allaying irritation, soothe-
log and healing the lungs, thereby promoting a
free and easy respiration, and a permanent
cure. For Coughs or Colds, Chronic, long-
standing or of recent construction, the IN-
FALLIBLE CURE is acknowledged by all who have
used it to be far superior to any remedy ever
placed before the public, acting directly on the
mucus membrane, it cuts and loosens the
phlegm, which by a free and expectoration
from the lungs, relieves the patient almost im-
mediately. Recent Colds are cured in from
One to Three days.

W. H. H. WHITE, Proprietor,

1233 Pacific St., San Francisco.

CHANE & BRIGMAN, Wholesale Agents,
San Francisco,

For Sale by all Druggists. 40,4

BEE KEEPER'S
DIRECTORY.

By J. E. HARRISON, Apiarian, Sacramento

THIS BOOK HAS BEEN PREPARED BY
the Author with great care and the devotion of
much time. From the experience of many
years as an Apiarian, the author has given results that must
be of great value to all who have bees. Every person who
contemplates keeping of bees should have this book, a volume
of over 400 pages, fully illustrated, price only \$1.50.

For Sale at the FARMER OFFICE.

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Auzerais House,

SANTA CLARA STREET, SAN JOSE,

S. W. CHURCHILL, Proprietor.

Auzerais House Coach and Carriages always in
ST.6 attendance on arrival of trains.

MAIN & WINCHESTER,



SADDLERY

WARE,

Have on hand the finest and best Assortment of

HARNESSES

SADDLES,

COLLARS,

SADDLE TREES,

HIRS.

LEATHER,

BLANKETS,

ROBES,

LASHES, ETC.,

ever offered on the Pacific Coast. We particularly
call the attention of the country trade to our exten-
sive assortment of Harness adapted for Farming and
Teaming use, and also to the Collars of our own
manufacture, which we guarantee Superior to any
other Collars manufactured.We are prepared to supply the trade, with any
goods in our line at the very lowest prices for Cash or
approved credit.

Traders will always receive careful attention.

Nos. 214 and 216 Battery street,

SAN FRANCISCO,

30,17

TO GRAIN, COTTON AND
WOOL GROWERS.The undersigned are prepared to extend every
facility to Farmers who desire to ship their produce
abroad.We will advance liberally on any shipments, only
charging interest at the rate of 5 per cent. per annum
Freight at the chartered price paid the ship, Insurance
and other charges at the lowest rate obtainable, thus
netting the shipper the full value of his crops, while
paying the lowest interest for his funds.Any further information desired will be promptly
furnished.

J. C. MERRILL & CO.,

204 & 206 California Street,

SAN FRANCISCO.

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TREES,
PLANTS & BULBOUS ROOTS

For AUTUMN of 1873.

Ellwanger & Barry offer to Planters and Dealers the
largest and most complete stock in the country of

Standard and Dwarf Fruit Trees,

Grape Vines, Small Fruits,

Ornamental Trees, Shrubs, Evergreens,

New & Rare Fruit & Ornamental Trees,

New & Rare Green & Hot House Plants,

Bulbous Flowering Roots.

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ELLWANGER & BARRY,

39,24 Mount Hope Nurseries, ROCHESTER, N. Y.

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—OF—
CALIFORNIA
—AND—
NEVADA.IN TOWNSHIPS, WITH MINERAL GROUNDS,
RAILROADS, AND LAND DISTRICTS
DEFINED.THE MOST COMPLETE MAP
EVER PUBLISHED OF THE TWO STATES.

For sale in Sheets or Book form.

Size, 3 feet by 3. Price—Book, \$3; Mounted, \$6.

WARREN HOLT,
607 Clay Street, San Francisco.

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CARDS.
CIRCULARS.BOOK AND JOB PRINTING.
PROMPT,
CHEAP,
and GOOD,At the LARGEST PRINTING HOUSE on the Pacific
Coast, 120COMMERCIAL
STEAM
MAMMOTH PRINTING HOUSE.No. 617 Clay Street,
FRANCOIS & VALENTINE,
Proprietors.

37,17

THE
CALIFORNIA
FARMER.

Our FORTYTH VOLUME of the FARMER com-
mence with this issue and we invite our
friends to send us their names and Four Dol-
lars and we will send them the FARMER for the
balance of this year and the following year also
thus giving them over fifteen months for one
year, making it the Best and Cheapest Journal
on the Coast. First we shall have a liberal
addition to our Subscription List, for our FORTYTH
VOLUME as a cheering stimulus in our long con-
tinued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE.

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE

Great Reduction

FOR THE

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FOR

VOLUME FORTY,

Over 15 Months for Four Dollars

TERMS FOR 1873 & '74:

The following are our Terms
for the FARMER:

Single Copies..... \$4.00

Six Copies..... 20.00

Ten Copies..... 35.00

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The California Farmer

HAS BEEN ESTABLISHED

TWENTY YEARS,

Circulates over the whole Coast, in every part
of the United States and largely in Europe,
Mexico and South America.

AGENTS WANTED.

LIBERAL RATES FOR GOOD RELIABLE
EDUCATED MEN AS TRAVELING

AGENTS!

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BY CITY CARRIERS.

OVERLAND MONTHLY

We have made arrangements with John H. Car-
mon & Co., publishers of the OVERLAND MONTH-
LY, by which we are enabled to furnish said mag-
azine in connection with this paper, for the sum
of \$7 per annum for both publications. Send
in your names.

Subscribe Now.

WARREN & CO., Editors and Publishers.

370 Clay St. San Francisco.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in
our Columns, and make their purchases there-
by, will do us a kindness by stating to those
of whom they purchase, where they obtained the
information of their Wants?

CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

VOLUME XL.

SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 15, 1874.

NUMBER 14.

The California Farmer

AND

Journal of Useful Sciences.

PUBLISHED EVERY THURSDAY EVENING

BY WARREN & CO.

OFFICE—No. 320 Clay St. (up stairs) below Battery

SAN FRANCISCO.

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By mail, for one year, \$4; for six months, \$2. For Clubs of five new subscribers, a sixth copy will be sent gratis. When payments are delayed six months \$1 and annual per year will be charged, and \$1 each year also for every year delayed.

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LIST OF AGENTS.

Our Subscribers can send money by mail safely, Register at the Postoffice, and the money will come direct.

Wells, Fargo & Co., at all their Offices in this State. Postmasters in all places are requested to act for us.

Wells & Haux, Washington Street, San Francisco.

W. H. Loomis.

W. H. Loomis, & Co. Feedmen, High Holborn, London.

W. H. Loomis, & Co. Feedmen, Paris.

Advertisements and Subscriptions must be paid in advance. Payments in Gold or Silver.

All letters on business connected with the office should be addressed to WARREN & CO., PUBLISHERS.

THE TRUE STATESMAN.

We present a sketch of the character of Lord Derby, as he is shown in his active duties, it is a most excellent model for our young Politicians and aspirants to Fame.

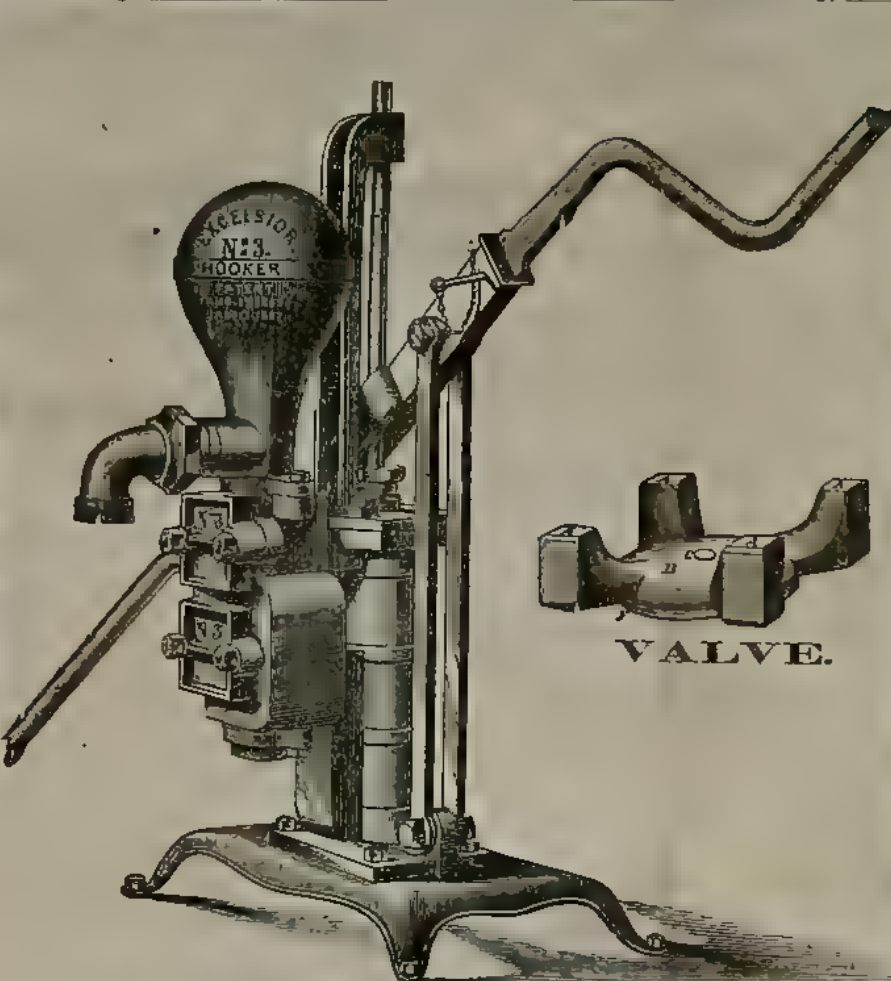
We present this sketch now because so much is being said about the working classes, we copy from our excellent Contemporary, one of the best Foreign Journals on our Exchange, the Colonist, London, by S. W. Silver & Co.

The Colonist thus speak:

"Lord Derby is a careful and sensible speaker. No public man weighs his words more thoughtfully before he utters them, and, as a natural consequence, no one commands more thoroughly the general attention of the country, or obtains greater consideration for what he says. His words are never spoken lightly; he may err, and who does not err? but he never errs from rashness or utterance. He has thought over his matter, and come to a deliberate judgment; then, and not till then, does he venture to attempt to instruct others. And there is this further remarkable feature in Lord Derby's manner of speech, that he not only forms his opinions with care, but also that the elements that make them what they are are drawn from an unusually wide range, at least for a statesman, of reading and knowledge. He knows that the public life of a nation requires the best science and attainments to guide it, and thus a marked intellectual and power of reasoning characterize his addresses.

These qualities have come forth conspicuously in the speech which Lord Derby made recently at the dinner with which he was entertained by the Mayor of Liverpool. It almost wears the appearance of a lecture on political economy, so markedly does Lord Derby take pains to found his opinion on the basis of scientific principle. His subject is the future of the working classes of England, their probable wages as time rolls on, their state to-day as compared with that of their forefathers in the early part of the century, the marvellous expansion of the prosperity of the nation, and the check which by the laws of human life, it may be destined to sustain ere long. Whilst handling this great theme, Lord Derby does not indulge in those loose generalities so common amongst politicians and public writers; he dives down into the minutest nature of his matter, and strives to deduce from it the causes which commercial development and with it the condition of the working classes is likely to pursue. And here he makes a remark which shows how deeply he has studied the problem. "Greater prosperity in the working class," he tells us, "means early marriages, early marriages in this country generally imply large families; children are better fed and better cared for, more of them grow up, and so the gap fills in again. It is difficult to overrate the importance of this education, though, as we shall show presently, we do not draw our picture of the future quite with the same colors as Lord Derby. The principle which this sentence of Lord Derby stands upon

No. 3 SHIP PUMP.



VALVE.

THE EXCELSIOR PUMPS.

OUR ILLUSTRATION.

The Splendid Excelsior Pumps, as here presented in our Illustration above, are a CALIFORNIA INVENTION, and now in the Eighth Year of successful trial before the Public, having during that time been proved so much the superior Pumps as to supersede many others in general use.

In the preparation of these Pumps, is the material used, and in their finish, no pains has been spared to make them substantial and capable to withstand severe use in Mining, or any other purpose.

The Excelsior Pumps have been recently introduced in the Eastern States, where they are considered by all the best Engineers, as the most superior hand Pump yet invented.

Among those who have adopted the Excelsior Pump we can mention Messrs. Oramp & Sons, Iron Ship Builders, Philadelphia; Messrs. Pussey, Jones & Co., Ship Builders, Wilmington, Del.; the Philadelphia and Reading R. R. Co., for their Railroad and Mining purposes.

Many other substantial Companies whose names we could give, having attested to the great worth of these Pumps in the East, and many hundreds in this State, so great has been the satisfaction given to all purchasers that they may now be said to be the No. 1 Plus Ultra, and as such merit universal approval.

A MAN WITHOUT AN ENEMY.

We believe in the man or woman who has "enemies." This does not sound sound, but it is sound. Your milk and water people content themselves with simply doing no harm, at the same time doing no good. Your man of force who does not wait for a stone to get out of his heaven-appointed way, but manfully rolls it over, may not intentionally hurt somebody's toes in the act; but thousands who will have to travel that way will thank him for clearing it. The man or woman who has no enemies is generally a sleek, creeping, cowardly creature, caring for no one but himself—smirking and creeping his unbecomingly low to the common stock—does no good in the world, and is lowered into his six feet of earth without one sincere regret from any one—"on wept, unbonored, and unwept." He has had no enemies; but has he had a friend? A place is vacant, but not in any warm grateful heart. A fig for such people!—Rural Southerner.

BE CHEERFUL.

Emerson says—"Do not hang a dismal picture on the wall, and do not deal with ashes and gloom in your conversation." Another follows with—"Away with those fellows who go howling through life and all the while passing for birds of paradise. He that cannot laugh and be gay should look well to himself. He should sit and pray until his face breaks forth into light." Talmage then takes up the strain—"Some people have an idea that they comfort the afflicted when they groan over them. Don't drive a horse through a man's soul. When you bind up a broken bone of the soul, and you want spittle, do not make them of cast iron."

PROFITABLE STOCK.

O. J. Bowker, of St. Johnsbury Centre, has sold from a flock of thirty three sheep during the past five years, lambs and wool to the amount of nine hundred and ninety-two dollars. From six ewes he has sold each year, twelve lambs for forty-eight dollars. Mr. Bowker says that people often remark that they never want to see more than one lamb in a sheep, but he thinks that if the sheep are well kept during the winter with a little extra feed just before they drop their lambs, and run in a good pasture, the more twins the larger the profit.

Perhaps the farmers are not aware of the benefit lambs derive from grass. Drovers always find good lambs in good pastures, and usually attribute the cause to the increased amount of milk yielded by the sheep on account of the rich and abundant food. This is one cause, but another and a greater one is the fact that lambs will eat of the grass from the very first if it be fresh and luxuriant. Sheep raisers say that lambs will thrive faster when taken from the sheep early in the fall; if this is so, then it is of the greatest importance that they have a good pasture at grass the entire season; when it will make little difference whether the sheep has one or two lambs.

Mr. Bowker has had during the past season five cows, one of which has been farrowed, and from them he has made one thousand and six pounds of butter, sold two calves for five dollars, and made two which he values at forty dollars, and made one thousand pounds of pork.—Times, (Vt.)

[Here are some valuable hints from the Green Mountains which our Sheep raisers will do well to note.—Ed. F.]

THE COLORADO FARMER—ALFALFA.

The Colorado Farmer comes to us in a very handsome style of Dress, fine type, matter, both Editorial and Selected, of much interest, showing there is life and energy at work for the great cause of Agriculture, the various progressive subjects of "Lands," "Stock Raising," "Irrigation," "Grangers," "Tree Planting," are all presented well.

The introduction of Alfalfa as feed for Stock is urged, but in this matter we must say, the suggestion of eight pounds of Alfalfa to the acre is an error which should be corrected and promptly—20 to 25 pounds per acre is the amount needed, it must be grown thick so as to be succulent and tender and cure easily. When sown sparsely it grows coarse and Stock will not eat it. We wish success to the Colorado Farmer.

THE PLOWS ARE AT WORK.

The Plows are at work in all directions, on Hill and Valley, on the Stubble-fields, on Summer Fallow, and on New Lands. Past experience has shown the value of good work, in early and deep plowing, and in early planing, and experience has been a good Schoolmaster to many.

A young student wants us to tell him if W-o-o-l-e-n spells Wooster, why, R-o-o-b-e-r-t-o-n don't spell Rooster.

THE PAST, THE PRESENT AND THE FUTURE.

The past year has been an eventful one. Like many of its predecessors, when a derangement came upon our financial affairs, the husbandman was proved the guardian and restorer of the nation. The President was applied to for a cure, but he could only point to the vast and valuable products of husbandry as a real panacea. Commerce put steam and telegraph in operation to bring the fruits of the husbandman to market, and thence across the ocean, to supply the needs of people of other lands, for which money in abundance flowed in upon us, and still flows, to redeem our financial crises, and leave vast supplies in our favor. Had it not been for the immense products of our husbandry, the people of European nations would have been bankrupt and died of starvation. What man, or class of men among us, are equal to our virtuous and gallant yeoman of husbandry?

We favor encouragement to other branches of industry, for the exports of our minerals and manufactures have helped to swell the tide of prosperity in our favor. Husbandry should get encouragement also, by appropriating the public domains free to practical cultivators. A bold and gigantic enterprise was in progress, in the construction of a great highway through a vast wilderness, for the encouragement of the husbandman and mineralogist, which was put a stop to; but as our citizens know of no such word as fail, the great railway will yet be pushed through. The fertility of the soil, the richness of the minerals and the salubrity of the climate, will all tend to make that wilderness famous in wealth, and "blossom as the rose."

Much of the thickly portions of the country has been beautified by the skill and fine taste of the ornamental gardener. Rough farm fields have been converted into gardens and pleasure grounds. Ornamental trees, shrubs and lesser flowers, have been judiciously set out; the verdant lawns have been seeded down for green carpets for the trees, and to luxuriate upon. Wind-lashing drives and paths have been made for travel through the grounds. The morning and evening rambles are made delightful by the beauties and sweet odors of the embellishments.—WALTER ELDON, PHILADELPHIA, in Gardener's Monthly.

SEQUOIA (WELLINGTONIA) GIGANTEA.

Our Mammoth trees are now raised in England, as will be seen by the following sketch from the Gardener's Monthly:

This magnificent mammoth tree, introduced into England by Messrs. Vailoth's collector, Mr. Lobb, now about thirty years since, is now becoming a very interesting and grand tree in our landscape throughout the United Kingdom, many of them from 40 to 60 feet high already, with a bole at least 2 feet from the ground, to 6 to 8 feet in circumference; branches most beautifully to the earth's surface. Most valuable on account of its evergreen, which it maintains in all seasons, quite hardy everywhere, and only gets a bit scorched in very bleak exposed situations on the windward side from northeast to southwest. It has coned freely for years; indeed quite young plants three to four years old and from 3 to 6 feet high, cone freely. But for some years I could not discern a plant with male catkins, and did not discover any till the plant reached the height of from 20 to 22 or 30 feet high, which was about ten or twelve years since. I lost no time after its discovery, which was on branches on the same tree that had cones on it, but separate branches I never saw, the cones and male catkins on one and the same branch. It was on a fine balmy, gentle breezy sunny day, I first discovered the male catkins. Open they were, and full of golden pollen. I immediately fertilized some of the cones which were then much higher up on the tree; and it was soon perceivable which of the cones had received the pollen by their swelling and growing away from the apertures cones left on the same branch unfertilized; thus I saved the first seed from which the first plants were raised from home produced seed in the United Kingdom. The male catkins of the Wellingtonia very much resemble, in size and color, some of the catkins of the strong growing Onopeltus.—Br. M. JAMES HANNAH, BICTON, ENGLAND, in Gardener's Monthly.

STOCK GAMBLING.

The Sacramento Bee of the 11th says: "Nor has a single step been taken toward abolishing stock gambling in San Francisco—a vile, satanic system which is corrupting and demoralizing the whole community—which absorbs the capital of the country in this gambling process creating nothing but cheating, so that not a dollar can be had at reasonable rates for any legitimate manufacturing enterprise. If the Legislature adjourns without meeting that great devil which is devouring the morals and money and industry of the country, and without doing what it can to check land monopoly, it will be a failure and the people will so pronounce."



Agriculture.

BEST FOR THE MANUFACTURE OF SUGAR.

(Being a translation of the agricultural part of the work of Louis Walckhoff, "The Practical Sugar Manufacturer and Refiner.")

(Continued from last week.)

Although Germany is the real cradle of the beet-sugar manufacture, and the first factories were established in that country, one at Angsburg having put 20,000 pounds of sugar in market in 1810, and another under systematic management having been established under Lampadius at Baitendorf, in Saxony, in the same year, yet this branch of industry seems to have been allowed to droop, and to France belongs the honor of having adopted the neglected orphan and reared it with the most brilliant results. Under the protection of the imperial eagle the development of this industry made its first vigorous beginning, and we may well be tempted to call Napoleon I the second father of the beet-sugar manufacture, and to consecrate these peaceful laurels to his memory. Encouragements of every sort cultivated the active inquiring spirit of the French people; thus, for instance, on the 2d of January, 1812, M. Benjamin Delassart received the cross of the legion of honor of acknowledgment of his success in the beet-sugar manufacture, and the offer of prizes as well as favors of every kind spurred on this industry in its competition with others.

On the 3d of April, 1812, Descostils published in France his work upon refining with lime and the treatment with spirit (the latter, therefore, it may be remarked, appears to be tolerably old). Perone also recommended caustic lime and alum for decoloration, as well as the purification of sugar with spirit. Hermboldt discarded alum and regarded the use of lime as the only true foundation of the extraction of sugar from the beet. Several works on sugar making appeared in France about this time, in particular those of Payen, Chaptal, Drapiez, Dubrunfaut, Bazzy, Dombasle, etc., which essentially contributed to assist the rational progress of this branch of manufacture in that country, where the beet-sugar industry found its most active promoters; and although Germany, up to 1815, as Dr. Kley, writing in 1836, alleges, had produced twenty-nine works on the beet sugar manufacture, and the first factories had been established in Germany, yet in the years 1812 to 1836 the manufacture came almost exclusively under French influence. The discovery of the discoloring power of charcoal, especially of animal charcoal, and its application to the manufacture of beet sugar, produced a great improvement in the subsequent product. While formerly two per cent. of sugar had often been obtained, and three per cent. was considered a large result, the product now rose quickly to five and six per cent. The importance of obtaining a good beet appears to have attracted, as was natural, the earliest attention; as we see this point made prominent in all the earlier writings; later, the mechanical appliances for the reduction of the roots and the extraction of the juice were rapidly improved; finally the chemical part appears to have reached a satisfactory degree of perfection.

The factories were built for the most part during the Continental blockade; upon the discontinuance of sugar came again into dangerous competition, the high price fell, and the manufacturers were therefore compelled to strive to increase the yield of sugar; above all, to simplify the process and to improve it, that their enterprise might not be imperilled. The elasticity of the human mind combated the difficulty of the situation and overcame it at last by assiduous observation of the phenomena, happy combination and unremitting diligence in the track of rational progress. This is the way that we must to-day contend to escape new perils. In spite of the raising of the blockade and the great fall in the price of sugar, the new industry so sustained itself that, in France, its production rose from 4,000,000 kilogr. in 1819, to 40,000,000 in 1835. In the years 1837 and 1838, there were in France 600 factories which produced 40,226,091 kilogr. of beet sugar.

The industry which in the beginning of the century put out its first delicate germ, and to which its tender youth, as to a sickly household plant, any future was past pitifully, part reluctantly, denied, had even attained its growth. It had become a tree that had already so shown its power of resisting violent storms as to authorize greater expectations. The beet-sugar manufacture stands to-day strong as a German oak, which stretches its branches from southern France even to Siberia, from Italy to Sweden, and is great and powerful in conflict and in storm.

In consequence of the progress made in this industry in France, the attention of Germany was again called to it. Dr Krause went from Austria in 1834, and Schubarth from Prussia in 1836, in order to report intelligently on the progress and condition of the manufacture in that country, and in consequence of their investigations, and probably also due partly to the well known publication of Zier and Hahnwald, many new factories again sprang into existence in Germany, and this branch of industry soon so increased in that country, in spite of many unsuccessful experiments, that it not only ceased to be subsidised but duties and taxes were demanded from it.

In 1840 the tax was one-fourth silver groschen; in 1844, one and one-half silver groschen; in 1850, three silver groschen; in 1852, six silver groschen; in 1858, seven and one-half silver groschen; and in 1859, eight silver groschen.

The amount of the tax was thus raised to the value of the raw material manufactured, and this high taxation compelled the exertion of every energy. Great as has been the progress of the beet-sugar manufacture in the last decade, it has not by a great deal attained perfection. When we consider the percentage of sugar really obtained from the beet, and the amount analysis shows to exist in it, it is evident how much yet remains to be done in order to reduce this loss to the smallest amount, to solve the problem of obtaining in practice what theory has shown as attainable.

It may not be interesting to compare the present extent of the beet-sugar manufacture in different countries, in order to show approximately how widely the industry is now developed and expanded. Such an exhibit is given in the following table:

No. of factories.	Weight in centners of roots consumed.	Resulting quantity of sugar in centners.	Average to each factory.
Germany* 296	51,495,434 1/2	4,319,640	178,619
France 414	22,650,000	5,800,000	180,915
Russia 300	32,400,000	3,799,000	141,334
Austria 213	42,300,000	3,400,000	190,530
Belgium 103	14,200,000	1,000,000	131,469
Holland 18	2,143,000	150,000	119,060
Sweden 4	470,000	61,600	119,500
1,370	238,153,494 1/2	28,543,240	179,390

*According to the statement of Dr F. F. Hiedel, including Russia, Poland, from inquiries of my own. From the latest private communications from parties interested.

These historical accounts, which must always be of value to the man of culture, may, at the same time, serve to arouse the zealous emulation of all who are engaged in the beet-sugar manufacture. While we look back over the road that is already passed, there seems to us to be but little yet to be traversed. The increase of production in each establishment has hitherto tended essentially to increase its profits, and we can assume the average consumption of roots by the German factories at 170,000 centners, whereas, in 1848 the average was only 68,000 centners. The manufacture has also evidently increased in recent years, and if in the earlier days (that is up to 1836) the beet-sugar industry found in France its more special encouragement, Germany has since this time hastened to wipe out this disgrace by so much more zealous strife for the perfection of this offspring of German intelligence. Schatten and Schintzenbach especially, unmistakably improved the condition of the beet sugar manufacture in their time. In 1851 the sugar manufacturers of the Zollverein united in an association having, among others, the object, by means of a special trade journal, "The Journal of the Association of the Beet-Sugar Industry in the Zollverein," of facilitating the general interchange of ideas, of inducing instructive communications regarding experiments and improvements in all parts of the process of manufacture from actual experience, and thereby to render every novelty and improvement quickly available to the common benefit of all the associates. No nation, no language, possesses a similar work, of such a comprehensive and exhaustive character. It proves that at this present time the German Zollverein has again taken in hand the intelligent prosecution of this industry.

This journal will remain a monument of the labors and investigations of the members of the association; the intelligence of the German fatherland, the progressive development of the beet sugar manufacture. What results this mutual labor has effected for the manufacture, may be understood from the notorious fact that our German beet-sugar industry is in advance of all other countries. The product of sugar from a given quantity of raw material, is evidently highest in Germany. The machines and implements for extracting the sugar of the beet are, unquestionably, nowhere of such substantial and convenient construction, as in Germany, and, it may be added, nowhere so cheap. The beet-sugar manufacture in all other countries, is in this respect far less favored than in its very cradle—Germany.

KEEP THE COWS WARM.

What sight is more pleasant than a row of sleek, well-cared for, healthy animals in winter? Outside, the thermometer stands close upon zero; inside, the temperature is so comfortable that we can well dispense with our overcoat. From whence comes this genial warmth? No coal or wood is consumed to raise the temperature. The problem is easily solved. Here are fifteen stoves, not constructed of iron or of stone, but of flesh and blood, and in these stoves hay and straw are burned constantly, and hence the heat. It is the warmth radiating from the animals that we feel, and this comes from actual combustion by the play of vital or chemical forces within the organisms. A large percentage of the food supplied adds neither to our store of milk or flesh, but is burned to produce animal heat, and in winter the supply of food must be increased, to compensate for the loss by direct radiation from the surface and through the respiratory organs.

No greater mistake can be made than to house your animals in cold, open barns. A shivering cow can give no milk, nor gain any flesh. To feed a cow, or any other animal in the cold, open air, is about as foolish and wasteful as to place a stove out of doors, fill it with fuel, and expect to receive benefit by warming the atmosphere generally. Animals need protection and warmth as well as human beings.—Journal of Chemistry.

The chief secret of comfort lies in not suffering trifles to vex us, and in cultivating an undergrowth of small pleasures since very few great ones are to be had on long leases.

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FOR BEEF CATTLE it has fatting properties which cannot be found in any other food—the beef always being more tender and juicy and of a much finer quality than when fattened on any other food, and no feed known so quickly prepare animals for market as Oil Cake Meal.

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Horticulture

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A New Race of Violets.—The Florist and Pomologist, says Mr. Lee of Hammersmith, has succeeded in raising a new race of violets, in which the petals are flat like a pansy. It is the result of a cross between *Osar* and *Devolensis*. The flowers are pale blue, sweet, and very large, and Mr. Lee is "not without hope that he will make them in time parti-colored like the pansy." The best one he has named *Victoria regina*.

"Golden Flute" Thyme.—Gold-leaved bedding plants are scarce, the Golden Flute being the best known. This yellow-leaved form of the garden Thyme is highly spoken of in the English Journals.

Oenothera lutea is spoken of as a promising silver-leaved plant for bedding purposes.

Aquilegia chrysantha is the name finally decided on by Dr. A. Gray, for the long spurred, golden Columbine, about which so much has recently been said in the horticultural journals.

Improved Foliage Bees.—The garden bee would be a beautiful ornament in the flower garden if it were not so common elsewhere. But there have been some variegated kinds produced which are said to be as handsome as the *Coleus*. Mr. Bull thus talks about them,—one in particular, which he calls *Multicolor*.

This useful and handsome decorative Bee has been raised by Mr. Clark, gardener to W. S. Mitchell Esq., of Edinburgh, where it has been carefully grown and selected for some years past. It was exhibited at the Royal Caledonian Horticultural Society's Meeting in Edinburgh, and received a first-class certificate. It has also been exhibited at a meeting of the Floral Committee of the Royal Horticultural Society, London, in January, 1873, where it also received a first-class certificate; so that, both in the North and South, the striking handsome character of this Bee has obtained for it the highest awards that could be given.

With reference to the origin, Mr. Clark states that a single variegated plant came up in a lot of the ordinary garden Bee. This plant produced seed, which gave a numerous progeny of various colors. The seed saved from the second generation produced plants in which the variegation was still further developed, and embracing the following colors: rose, orange, magenta, silver bronze, crimson, with various shades of purple—and with the different colors blended, from the brightest orange to the richest carmine; and when shown before the Royal Caledonian and Royal Horticultural Societies, twenty distinct varieties were exhibited.

From its hardy character, and the variety of color it produces, the use of this Bee as a decorative plant for flower garden (apart from culinary purposes), can scarcely be over-estimated; plants potted in the autumn would be extremely serviceable for cool conservatory decoration, their colors rivaling those of the brightest *Dianthus*, with the advantage of not requiring a stove like the last named.

Anna Douglas; Van. Strain.—Silver variegated trees do not generally do well in the United States. The following variety of the Douglas Spruce seems popular in England.

The *Gardener's Chronicle* says: "The first thing was that of an *Abies Douglasii*, which we saw at Castle Kennedy, one of the seats of the Earl of Sutherland. It was almost white from head to foot. It is now a well-grown plant about eight feet high, and constantly exhibits the same phenomenon, as do also a number of other plants raised from it by grafts or cuttings. When it puts out leaves they are perfectly white, and they continue so until the end of August, by which time a shade of green begins to spread over them. It first appears at the base of the older leaves, gradually creeps up towards the tip, doing the same successively with all the leaves, until, by the end of September, the variegation is wholly or almost wholly gone. It is strong and healthy as any Douglas Fir around here, and to be the young plants raised from it. It is not the same as if the tree was originally weak, and, on acquiring strength, threw off the color of its leaf; the same thing is repeated year after year, with the unvarying regularity of a normal action inherent in the plant.

New Breeding Roses.—A Congress of Rose-growers was held last Fall at Lyons, France. Those who had seedling roses submitted them for judgment. Fifty were sent. The following were awarded as the best of the lot: Madame Vanberg, Captain Christy,—hybrid perpetuals; and two Tea, Shirley Hibberd, which, is said, will be a rival to *Solfano*, as a cut flower variety; and *Marie Guillot*, a pure white, large show rose.—*Gardener's Monthly*.

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There is now 25 Acres seeded to Alfalfa, and 20 Acres more of Summer Fallow land ready for seeding. There is now upon the place a good Dwelling House hard finish of 6 rooms, with Kitchen, &c., a good granite walled cellar under the same, 15 feet deep—a Good Barn, a Wine House 44x22, with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmidt Improved Copier Still that cost \$1,200 a Grape Crusher, a Shed and Shop 16x20 with all need apparatus, and Farming Tools sufficient for the place. Choice Fruit Trees enough for home use, plenty of Wood on the Farm, two fine Wells of Water and a living Stream of Water running through the land. This Vineyard is located two miles west from "Shingle Springs" in Eldorado county, only Three-eighths of a mile from the P. S. V. Valley Railroad, and is finely located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a Great Bargain, if applied for soon, Terms Cash. Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER. 40 6



Seeds! Fruit! Produce.

CHOICE FRUIT OF EVERY DESCRIPTION WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds always on hand.

Also Vegetables, Honey, Nuts, Butter, Eggs, Fish, &c., &c.

Strictest care used in Packing Fruits and Produce for Nevada, Utah, Colorado and the Eastern States.

Orders solicited by
A. H. CUMMINGS & CO.,
30, 32, Second and 59 J Street,
40 8 SACRAMENTO, CAL.

G. GROEZINGER.

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, Angelica, Etc.

Northwest corner of Battery and Pine streets,
SAN FRANCISCO.

NEW

Bulbous-Roots-Seeds.

The undersigned have just received a new and fresh Invoice of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquills, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTH VASES AND GLASSES.

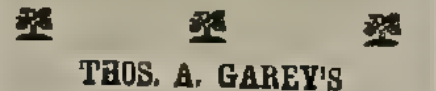
ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

40 9 J Street, Sacramento.



THOS. A. GAREY'S

Semi-Tropical Nurseries,

SAN PEDRO STREET.

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 266,

ITHOS. A. CAREY,

Proprietor.

LOS ANGELES, CAL.

Send for Price List.

WANTED. We will give energetic men

Business that will Pay

from \$1 to \$3 per day, can be pursued in your own neighborhood, and is strictly honorable. Particulars free, or samples worth several dollars that will enable you to go to work at once, will be sent on receipt of fifty cents.

Address
J. LATAM & CO.,
40 6 222 Washington Street, Boston, Mass.

Ornamental Trees, A BARGAIN.

The undersigned desirous of giving his entire time and attention to his Appliance, and to confine his entire attention to the care and culture of his Trees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

GREAT BARGAIN.

as he is determined to close out all his Trees this Autumn. The following are now offered at very low rates: 5,000 to 8,000, Locust Trees, from 1 to 4 years old, 8,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form 4,000 to 5,000 California Walnuts from 3 to 5 years old. 1,000 Circassian Mulberry Trees—very fine. 500 American Black Mulberry, the fruiting species—the fruit being very superior, the Trees great bearers.

Purchasers wanting any of these Trees, are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold. Address, **J. S. HARBISON, Apiarist,** SACRAMENTO.

Or OLE GOODRICH, Riverside Road, 3 miles below Sacramento. 40 3



The Fourth Number of VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 5 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address 39, 23 JAMES VICK, Rochester, N. Y.



Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some—

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged. Address G. W. B., FARMER OFFICE. 39, 17



PURE ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN BEE, raised and grown by the undersigned and reared in the HARBISON "PATENT RIVE."

We can supply to the extent of 300 Good Swarms. These Bees require less care than any other Bees known and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the Apiary also and see the vast numbers of Bees at work, wherever there is a Flower there will be found the "Bee Bee" at work.

Address **J. S. HARBISON,** Sacramento. 40 4

THE CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the CENTURY PLANT and supposed to bloom only once in a Hundred Years is the Agave Americana or American Aloe, and is one of the most conspicuous and most desirable plants for a position in a large circle or front of a large border or in Parks at stated distances, in such places this plant, with PALMS, YUCCAS, DRACENAS and a few of this character give to fine grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to their value.

We can offer fine large plants of the Agave at from 50 cents to \$1.50 and so securely packed as to go safely any distance, they can be shipped now or later in the year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to.

WARREN & CO.

Valuable Tracts of Land.

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These Lands are located in different parts of the State—some in each county from SANTA down to SAN DIEGO, all good Lands and can be Sold on advantageous terms.

This List comprises about EIGHTY QUARTER SECTIONS. Maps, LOCATIONS, &c., AT FARMER OFFICE.

SEED WAREHOUSE

WHOLESALE AND RETAIL,

409 & 411 Davis St., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsmen & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN

SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip, Parsnip, Carrot, Celery, Peas, Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

CHILI CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass, Timothy, or Herd's Grass, Orchard Grass, Rye Grass, and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street, San Francisco. 40, 8



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN Grounds renewed and replanted, or those who desire to have Grounds Laid out and laid out upon Scientific principles, and with correct taste and skill, as

Adapted to this Climate,

can have this work done to their satisfaction by calling at the Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

to small Gardens, in our City, will be designed and laid out, and the Trees, Plants, Shrubs, Vines and Flowers all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

None but Educated men ever engaged in such work.

Address **WARREN & CO.,** Farmer Office.

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill. receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are daily thankful for their patronage, and would gladly attend to their wishes—there is one essential *Pre-requisite* that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

DO TRY IT 3 Months for 10 Cents, or with \$3 Chromo, for 50 Cents. The National Agriculturist and Bee Journal is a sixteen page paper of 64 columns, handsomely illustrated in all its departments. One of the Best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Book, or \$1.50 with a beautiful CHROMO. Liberal Terms to Agents, free. Write now to 40 6 H. A. KING & CO., 14 Murray St., New York.

COMMISSION SALES-ROOM

—AND—

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles or merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgement we will do our best to suit them. Our charge will be Five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our special business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following

THE POTATOE PLANTER,

JEBB'S PATENT CHURN,

CHEESE OURD UTTER,

PATENT WEEDING HOOK,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS:

ALSO

TOBACCO SEED,

COTTON SEED

COFFEE SEED.

TEA SEED—

THE BEST KINDS OF

FIELD. GARDEN. FLOWER.

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants or raising of Seeds, etc. Also respecting the mode and best system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Traveling over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most commodious and comfortable Homes for those who journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful regions around our city—we can truly commend them to whom we speak from personal knowledge, and shall speed of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.

Callisto Hotel..... Callisto.

BIG TREES OF CALAVERAS.

Via Western Railroad and Carriage.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE, ALMADEN MINES, &c.

The Axer's Hotel..... San Jose

SANTA CRUZ AND THE BEACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.

YOSEMITE VALLEY.

Hutchings' Hotel..... Yosemite Valley

MARIN COUNTY.

Napa Hotel..... San Rafael.

Travelers who are strangers can rely, that at these Hotels they will ever find the best and kindest attention and comfort, and will never be imposed upon by exorbitant charges.

CHEESE CURD CUTTERS

Of all Sizes,

FOR SALE AT THE OFFICE OF THE

California Farmer

THE CALIFORNIA FARMER.
SAN FRANCISCO.
THURSDAY EVENING, JAN. 15, 1874.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

300 Clay Street—Marble Building—Up Stairs

FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer
Office is always open, and an attendant ready to make
a visit instructive to those who take an interest in the
productions of our State. Samples of all productions—
Grains, Grasses, Fruits, Models, inventions, Minerals,
and specimens in Natural History innumerable, are
constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit
San Francisco, should visit the Free Reading Room and
Museum of the Farmer Office. Members of the Press
and Strangers are particularly invited to avail them-
selves of these rooms. Newspapers from every State to
which we have access by mail, as well as Foreign News-
papers, Periodicals, and Magazines are upon the
table for use; a Good Library of hundreds of
volumes, with works illustrative of Agriculture, Horti-
culture, and Floriculture, works for reference upon all
Sciences with a Cabinet of Minerals, Coins, and Curio-
sities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FAR-
MER, payable in advance, is TWO DOLLARS for five
lines or less of space, in Nonpareil type, for one inser-
tion, twenty cents a line for any larger space. Each
subsequent insertion half the first rate. This is believed
affords the cheapest and best medium of reaching the
Agricultural community on this coast. As heretofore the
right is reserved to reject any advertisement deemed ob-
jectionable.

SAMPLE COPIES.

Those who receive a number of the Farmer with
this paragraph marked, may understand it is sent to
them for their examination, hoping our paper will meet
their approval and induce them to subscribe, and to ask
their neighbors to subscribe also.

and for Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

M. PETERSON & Co., 10 State Street Bo
too 37 Park Row, New York, and 701 Chestnut Street,
Philadelphia, are our Agents for procuring advertise-
ments for THE CALIFORNIA FARMER in the above
cities and authorized to contract for advertising at our
lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with
our Readers and Correspondents, and here we shall
their attention to such articles in each issue of
the Farmer, to which we would direct their special
attention.

Sugar Beet Culture.—A valuable article on Beet
Root Sugar is concluded this week in our Agri-
cultural Column, it should have the special at-
tention of all interested in this subject.

LANDRETH'S RURAL REGISTER.

We have received a copy of Landreth & Son's
Rural Register, published by this excellent and
long established firm.

The Register is a neat and well arranged Cata-
logue for the Farm and Garden, with valuable
practical information upon all Rural subjects.
We return thanks for the copy.

PUBLIC LEDGER ALMANAC.

We have a copy of the Public Ledger Almanac
for 1874, issued by G. W. Child, Esq., which
holds its high place in the Annals of the day,
while the Ledger stands in the front rank of
Journalism.

Superior Butter.—We are indebted to Justus
Bepler, Esq., of Marin County for sample roll of
very delicious Butter from his Ranch, redeemed
from overflooded lands; we are informed his Stock
have fine food all the year round.

SOLDIER'S DEVON CATTLE.

Those who desire to procure splendid Devon
Cattle are referred to the Advertisement in our
Columns—a Bargain is there.

HARPER'S WORKS.

We must again allude to the Publications of
Messrs. Harper Bros., the Monthly, Weekly and
Bazar, these three Works form a series that for a
Family, are indeed a Library in these three Works,
no family should be without them, and we believe
we are serving the public by urging their atten-
tion to these valuable Works.

MADAME ANNIE BISHOP'S CONCERT.

It has been announced in our City that this
distinguished Lady will soon have a Complimen-
tary Concert tendered to her, her friends are very
anxiously waiting to know the appointed time,
which, it is expected will soon appear in the Daily
Paper.

It is anticipated that it will be the most "Re-
echo" Concert that has been given in our City for
a long time, and no doubt it will receive a cordial
response and result in a Real Benefit to one so
richly deserving as an Artist of the highest rank.

LECTURES ON ELECTRICITY.

The Lectures announced for this evening by
Prof. Neri, we learn will not be carried out fully
this evening, by reason of the condition of the at-
mosphere, resulting from the long continued rains.

The next Lecture will be on the 29th at the Hall
in St. Ignace College, and will be one of the
Grandest experimental Lectures ever yet deliv-
ered in our City, as Father Neri is most eminently
qualified by his superior knowledge of the Science,
to present the subject in the most clear and in-
teresting manner.

For Bronchitis, Asthma and Pulmonary
Complaints, "Brown's Bronchial Trochae," most remark-
able medicine.

CALIFORNIA PROSPECTS FOR 1874.

Never before has an opening year presented to
the people of this State, so cheering and confident
an outlook for a prosperous year, as is now pre-
sented to our people in every branch of business and
in every avenue of our Mercantile and Commer-
cial, Manufacturing interests.

The Great Napoleon said, "Agriculture is the
Basis, the Basis of my Empire," and we of Califor-
nia can truly exclaim, that, Agriculture is in-
deed the Basis, and the great artery from whence
flows the life blood that is to feed the body and
sustain the vital energies for all the great and en-
during interests of our State.

The Agriculturists of this State have great
cause for thankfulness, and for gratitude to the
"Giver of all Good," for the glowing prospects
that now open up before them for the coming
year.

The abundant rains that have prepared the earth
for the Seed, and filled it with the moisture needed
to resist the coming dry season, is a cause for
great rejoicing, and should teach them to improve
this good start to the utmost, and as past experi-
ence has brought wisdom in the systems of cul-
ture of the earth, we may expect greater results
than ever before from their labors.

There seems to be a special kindness shown to
our State thus far, our Farmers appear to have
given to them to these favors Ten Talents, and we
hope they will now so labor that when the "Lord
of the Harvest" shall come, they will be ready to
say—Behold I here are Ten Talents more, for the
opportunities are great for one of the Greatest
Harvests ever vouchsafed to this State.

The result of the last year's Harvest is now
nearly completed, and the figures show that our
Wheat Crop is much larger than was supposed,
and will nearly or quite, equal that of '72 in quan-
tity, and surpass it in value by Millions of Dollars,
as we have already shown.

Our Wool Crop, as we exhibited in our last
number, was quite fifty per cent. beyond that of
'72.

Our Wine interest did not show as large, nor
was our Hop harvest as large, yet other products
were increased, and thus our exports were gener-
ally augmented for '73.

Two exports of Fresh and Dried Fruits was very
large, our exports of Leather, Hides, Seeds, &c.,
all swelled, the great aggregate which shows the
steady growth of all the interests of our State,
these facts are now of such importance that every
Newspaper now heralds them, as the most impor-
tant events to lay before their readers. In past
years Agricultural items were not News, now they
are the hope of the State.

The coming present planting Season, our State
will witness a greater leap forward in cultivation,
and in rapid growth than was ever before known,
there is an earnest desire to go to work, and work
will be done, the various experiments that have
been tried with Cotton, Tobacco, Tropical Fruits,
Nut trees, have been so satisfactory that large
plantations will be made of all these, and in addi-
tion, a large increase of acreage in Hops, Flax,
Castor Beans, Hemp, Jute, &c., while Forest trees
will be most extensively planted both for timber,
shade, and for protection against winds and drought,
for it cannot be denied, that the large area of
cultivation the past year has had some influence
in the production of our great rains.

Our Stockmen are not idle, a better class of
Cattle, Sheep and Swine always is the watchword
with them, and they are resolving among them-
selves, that if the MONTHLY or BAZAR want
splendid Barbours, Devons and Jerseys, they must
come to California for them, as we can raise as
fine Stock as any State in the Union, and are long
we shall herald the sales of Stock at \$5,000 \$10,
000 and \$20,000, equal to New York or Kentucky.
Our Crop items of interest may be found in an-
other Column.

THE LONG CONTINUED RAINS.

The long continued rains, so general and so
universal over our State, will work a great bless-
ing to California, if our Cultivators will but im-
prove to their utmost the Great Boon vouchsafed
to them.

It is true that there may be many Cultivators
whose low lands cannot now be used, and it may
seem hard for them at present, to be prevented
from planting, but they must bear in mind that
so redoubtable has been the rainfall, and so deeply
saturated the soil, that planting can be continued
to a later period than past years.

There seems to be no assurance of clear dry
weather during this month, or at least for many
days, and so saturated have our low lands become
that it is all important that our Farmers should
now give special attention to such lands as have
water standing upon them, to a good system of
drainage—a little labor now well performed in
running water furrows will aid materially in draw-
ing off the surplus waters, and thus having such
lands quicker brought into use. This is all im-
portant now, not only on Grain lands but in Orch-
ards, Vineyards, Gardens, or any lands where
there is standing water.

Now is the time also to consider the value of
Drain Pipes, which always tend to make Wet land
dry, and dry land moist.

OUR CENTRAL PARK.

California is to have a Grand Park, the founda-
tion, boundaries, and corner points are set, and we
hope much for the future.

We are indebted to Wm. Hammond Hall, Esq.,
Engineer and Superintendent, and to Secretary
Fleming, for copies of the "Report of the Com-
missioners," as addressed to the Legislature.
These Reports are full of interest, with valuable
statistics showing the progress made, and the cost
of the work, with the plans in view.

The Volume of Reports contains Maps and Plans
which show how beautiful our Park will be, we
shall publish freely from the Volume.

GEN. JOHN A. SUTTER.

This Noble Old Pioneer is now before our Leg-
islature by name, asking that the small sum of
\$250 per month shall be continued to him, as in
former years, that his few remaining years may
have a smoother and more pleasant passage to
the "Better Land."

To us it seems strange that there should be one
moment's hesitation on the part of any Legislator
in this matter, for such a token of good will to
Gen. Sutter, or such a Gift can form no precedent
for any other case, it is an opportunity to do an
act of Justice (we wish the sum were four times
as great) that all should joyfully concede.

If our Legislators will bear in mind how much
our State and our Nation owe to Gen. Sutter, if
both our State and Nation should act as England
acted towards the discoverer of Gold in Australia,
then Gen. Sutter would not require this plea-

England settled a Pricely Bounty on their dis-
coverer of Gold, while the Gold discovered at "Sut-
ter's Mill Race" has virtually robbed Sutter of a
Domain worth to-day more than One Hundred
Millions of Dollars, and yet where is the Gratitude
for the man who stood in the early days of Califor-
nia at "Sutter's Fort" and cheerfully "Fed
the Hungry," "Clothed the Naked," and "Minis-
tered to the Sick!"

How true it is that "Republics are Ungrateful,"
but oh, let it not be, that here in this "Land of
Gold" this "Garden of the World," that "Brave
Old Pioneer," Gen. John A. Sutter shall drink the
draught of ingratitude from the Legislators of
this "Sunny Land."

HORTICULTURE ADVANCING.

We are glad to notice the great efforts made the
past year by all the leading Horticultural Soci-
eties of our Country for greater and better devel-
opments in all branches of Horticulture and
Floriculture.

Our leading men are alive to the great impor-
tance of a New Campaign, the raising of New
Varieties from Seed of what are now esteemed
the best of Fruits and Flowers by Scientific Hy-
bridization, and in this we hope California will
not be in the background.

We have now in our State many Scientific
minds, many earnest explorers for the "Beautiful
things of Earth," and we see no reason why Califor-
nia should not become celebrated for her new
species of Fruits, Flowers and Garden Plants, as
she is far her "Mammoth Trees" her "Cateracts"
and her "Mountains."

Already we are glad to notice that the "Fox
Seedling Pear" have won a fame, and we hope
soon to record other kinds of Fruits, and also New
Roses, Camellias, and other things to beautify, and
for the benefit and pleasure of our people, as well
as for the increasing Fame of our "Golden Land."

GARDEN BORDERING.

Various plans have been tried to make neat and
pretty "Garden Borders" wood, brick, plants of
various kinds, have been tried with various de-
grees of success, but the neatest, prettiest and most
perfect Garden Borders can now be made with the
New Material, known as the Frear Stone, this Com-
pany Manufacture Bordering for Gardens of all
Forms and Patterns, and highly ornamental, they
can be made for curves, squares, ovals, and elab-
orated to fit any form of a "Parterre" or a Garden, and
at a very low price, cheaper than any other mat-
erial possible, when its durability and neatness of
finish is considered.

Those who are laying out Garden Grounds
should by all means go to the Factory and see
the Patterns, and they will surely be satisfied—
Factory on Bloxome street, near Railroad Depot,
V. Garbrog, Esq., Superintendent.

THE ART ASSOCIATION.

This Grand Institution of our State we are glad
to notice is in a very prosperous condition, with
good prospects of rapid advancement.

Our Artists are doing themselves and our State
great Honor, by the high character of their works,
the present collection is a most excellent one, and
worthy a visit from all our citizens.

The rare Works of Art recently added to the
Gallery are of great value, and the Portrait of
our Noble Patron of Art and Science will soon
be added, this Portrait will be hailed with pleas-
ure, for the Magnificent Deeds of Mr. Lick has
made a claim on the Public Heart that is most sen-
satively felt and we trust he will add another
beat to the heart pulse by establishing with his
wealth the Art Association in a Noble Building
like the "Academy of Sciences," and the "Pion-
eer," and thus complete FOUR GRAND INSTITUTIONS,
founded and firmly established by his Noble Mani-
fidence.

REMEDY FOR DISEASED VINES

The Abbe Roland informs the editor of the Cul-
tivateur de la Region Lyonnaise that after two years
experience he has discovered a remedy for the
disease known to some growers as Phylloxera.
His plan is to inoculate the diseased vines with
a few drops of the essence of Eucalyptus globu-
lus. An incision is made in the vine near the
surface of the vine, and the fluid placed in the
wound by means of a camel's hair pencil. The
Abbe claims that in three days the disease will
disappear, and the vine will not be in any way in-
jured by the operation. The application may be
made at any part of the vine, but is found most
effective near the ground.

A NEW AND SUPERIOR CHAMPAGNE.

We were favored with a sample of a Choice
Champagne, bearing the brand "Ochoet Blanc"
reserve, extra dry. This is a very Choice Wine
with most agreeable flavor. Messrs. Deas &
Goldman are the Wholesale Agents in this
region, but Messrs. Hawley, Bowen & Co., Gro-
cers, on Second Street, are the House that sup-
ply families with this choice brand.

THE GREAT HARVEST.

The year of 1873 has shown the resources of
our State to be of such magnitude as to surprise
not only the people of other States, but all Eu-
rope, this is self evident by the rapid influx of
people to our "Golden Land" from all quarters of
the Globe—1874 will be the

YEAR OF PLENTY.

We are glad to know that the harvest of Agri-
culture is now admitted to be the great source
of all our hopes, and the foundation of our PROSPER-
ITY.

We can give as a Proof of the greatness of our
Harvest of 1873, a few figures which speak vol-
umes.

The most careful estimate of our Harvest gives
the following amount in round numbers.

Our Wheat Crop, Bushels,	26,500,000
Our Wool Crop, Pounds,	22,000,000
Our Wine Crop, Gallons,	3,000,000
Our Hops Crop, Pounds,	1,000,000
Our Barley, Oats and Corn, Bushels,	4,000,000

To which can be added a large Harvest of
Fruits, with the raw and manufactured products,
that tell in Millions in value.

Our Exports the past year of the leading Cali-
fornia productions may be summed up in round
numbers as follows:

Wheat to all Countries,	\$20,000,000
Flour to all Countries,	3,000,000
Barley, Oats and Feed Grain,	500,000
Wool,	6,500,000
Hides and Tallow,	500,000
Leather,	200,000
Lumber,	350,000
Quacksilver,	500,000
Dried and Fresh Fruits,	1,000,000
Other various Exports,	1,000,000
	\$3,550,000

To this amount we add

The Treasure Shipments,	25,000,000
-------------------------	------------

A Grand Total of

\$53,550,000

Nearly Sixty Millions of Dollars, and it will be
found by a close analysis that we have gained in
our Exports over last year fully \$25,000,000, and
so turned the current of trade that Gold will flow
back to us freely for 1874, our Exports then so
largely exceeding our Imports.

MAKE HASTE SLOWLY.

It has been almost established as a fixed fact
that there is among men at certain times a pecu-
liar Mental Phenomena, inducing them to pursue
certain subjects—a mania for it. They seem to be
led on to it almost against their will, and are led
on until their labors end, like disease, for want
of material to feed on.

What a series of such Phenomena has been ex-
hibited in this region the past year. Scarcely
any of our Public Institutions have escaped hav-
ing an Investigating Committee, and this is the
Mania now prevailing.

This mania commenced at Washington with
the "Credit Mobilier," and the "Banks" and
the "Railroads" came next, thence it came here,
to Diamond Swindles, and Stocks, and now in
our midst every Institution in our State have
been or are now in the hands of Investigating
Committees. It is mania, and like the rains of the
present time we say "it never rains but it pours,"
so the work of investigation goes on, like to cer-
tain epidemics, which wise medical men say will
result in good finally by eradicating the cause of
disease which is deep seated and must be got out.

Go on Doctors—go on and make thorough
work, go slowly, go surely, and we shall soon
have healthy prosperous times.

BRIGGS, BROS., FLORISTS, ROCHESTER, N. Y.

We have just received the Circular of these
well known Florists, announcing that their Janu-
ary Illustrated Floral Work will be out this month,
and that it will surpass all other works they have
ever sent out, both in richness of Illustrations
and everything connected with Floriculture.

Their Catalogues will be revised and made com-
plete. Seeding out only the choicest of every-
thing in Seeds, and Bulbs to meet the increasing
wants of the growing taste for Floriculture.

This Firm send their four Quarterlies to Sub-
scribers only, for 25 cents, and Patrons of \$1, are
honored Subscribers, everybody should have
them.

CURE FOR DYSPEPSIA.

We can most cheerfully vouch Pinola a Cure for
the Dyspepsia. We have received very great bene-
fit from it, and after having a sufferer for a long
time, and tried all kinds of remedies, we were
thoroughly cured of every ache and pain by the
use of the Pinola, using it in the form of wash
twice a day, morning and evening, and regularly
with a little nourishing meat food at noon. Hav-
ing received so much good from it we wish others
who have suffered as we have done to find the
same happy relief.—Editor Farmer.

THE ROCHESTER NURSERIES.

We mean the "Mount Hope Nurseries" of
Messrs. Ellwanger, Barry & Co., the largest, most
extensive and most complete of any Nurseries in
the Union.

The Mount Hope Nurseries are celebrated for
having all the rarest varieties in every depart-
ment of Fruit or Ornamental Trees or Plants,
their new Catalogues received by us are full of
the choicest kinds in each department, and
worthy special attention of all purchasers.

NEW STEAMER COLINA.

This New Steamer of the Pacific Mail Line has
just arrived, and invitations have been extended
to the Press to visit it on Monday—it is a Splen-
did Ship, one of the finest yet on the Line. We
shall speak of it after a more full examination.

RAILROAD FREIGHTS AND FARES.

The subject of Railroad Freight and Fares is
now agitating the people of Every State in our
Union, from the Halls of Congress to every Legisla-
tive Hall, in the Granges and Clubs and among
the masses.

It is the "Mania" of Reform, let the Reform
Spirits look well to their work, make haste slowly,
act with cool deliberation, guided by the Spirit
of Justice, and remember well, that a wrong act
now performed against the Railroad interest, this
great "Steam Plow" of "Internal Improvement"
that is opening up our wild lands, this great "Em-
igrant Ship," that is peopling our waste places
with new comers, and bringing to our shores what
we want to make our State prosperous, and car-
rying away our Excess of products, replacing them
with Gold, to make us more prosperous, should
be most seriously considered, before any act
should be committed that shall mar the new glori-
ous opening for the year 1874.

OUR LEGISLATURE

We notice with great satisfaction the action of
our Legislative Body now in session, they are in-
deed working for the People.

The "New Fence Law" we trust will be firmly
fixed, so that our tilling Farmers shall be pro-
tected in their Rights.

We hope also that all Lands now held in large
tracts for mere speculation shall be justly taxed,
so as to relieve our industrious people from an
overburden of unequal taxes too long.

Swamps and Overflowed Lands, Irrigation Can-
als, Public Roads, Bridges, Turnpikes, let us have
them all, but let Roads, Bridges and Turnpikes
be Free, let the State or the County do the
work, and do it by the labor of those who are
Law breakers, the tenants of our Jails and Pris-
ons, make them work for the "Public Good."

We are glad to note the good work in progress
in our Legislature.

CALIFORNIA DRIED FRUITS.

Messrs. Hawley, Bowen & Co., Family Gro-
cers, on Second street, have a large and complete
assortment of the Dried Fruits, dried fresh by the
San Lorenzo Fruit Drying Co., they are very su-
perior, a few moments after placing in fresh wa-
ter or steaming, you have Fresh Fruits again,
Oranges, Currants, Peaches, Apples, &c., a
with all kinds of Vegetables—this is a grand ad-
vance to the culinary department, for the House-
wife.

Messrs. Hawley, Bowen & Co., have also a com-
plete stock of the very best Family Groceries, to
which we can call the attention of our readers.
Mr. Bowen was formerly of the Firm of "Born
Brothers."

FRANKLIN'S BIRTH DAY

Saturday the 17th is the Birth Day of BENJAMIN
FRANKLIN, whose name is closely allied with the
History of our Country and with Science. It was
Benj. Franklin that drew down the Lightning from
the clouds with his Kite, and established a great
truth in the Science of Electricity.

It would have been a happy thought if Prof.
Neri of the St. Ignace College had made his
First Lecture on "FRANKLIN'S BIRTH DAY" as
fitting Tribute to his memory, we regret that his
little notice has been given to so important an
event.

SPLENDID COMMERCIAL REPORT.

The Commercial Herald and Market Review of the
morning, comes out with one of the most complete
Reports of our Markets that has been issued this
year, it occupies the entire Journal, and is very
complete, embracing all the varied interests of
our State, Imports and Exports, all the Shipping
Interests—Manufactures, Mining, Agriculture,
Products, Banks and Banking, &c.—this Review
will be a reliable one for every person to secure
as a reference of our growing prosperity.

HOME MANUFACTURE.

A GREAT BOOT AND SHOE ENTERPRISE.—Messrs.
Bros., boot and shoe manufacturers, of Bay
Street, purpose opening the largest factory in
their trade on this Coast. They have acquired a
lot on Hayes Street, between Polk and Van Ness
138x155, and on a portion of this, 60x120, they
are about to erect a three-story building, most
extensively finished and equipped with the most
improvements and appliances. Detached from
the main building will be small structures for a
engine, which is to supply power for the machin-
ery. The total cost will be about \$40,000. The
firm anticipates that it will employ from five hun-
dred to seven hundred persons, of whom a large
number will be white men, women and children.
About four hundred persons are now employ-
ed on the upper floor of the Niantic Building, 101
Street, and of these one hundred and fifty are
Chinese. Eliasta Bros. use the McKay sewing
machine, and they have a patent in operation
which materially lessens the consumption of
material in the cutting of uppers for ladies' shoes.
—Commercial Herald and Market Review.

FREIGHT AT PORTLAND, MAINE.

The rush of freight for Liverpool over the
Trunk Railroad is enormous. Sixty cars have
been loaded at the Portland Depot on Thursday, 18th, with
freight. The amount of freight on the
Trunk Railroad for English steamers is so great
that nearly all spare idling are now
less occupied by cars loaded with Liverpool freight.
There are thirty or forty cars of this freight
now at the Portland Depot—it being impos-
sible to accommodate it at Portland, where
cars are now at least 800 loaded cars. The freight
is mainly from the West, and consists of pork, tallow
and bread-stuff.

Never keep anything from your better half.
Brooklyn Argus.
Quill says he never has, and that is the reason
he is so poor.

New Advertisements.



MAGNIFICENT
FURNITURE.

THE LARGEST

—AND—
Most Complete
STOCK

In the World!

—AND THE—

Superior Quality

—OF—

OUR GOODS

—IS—

Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY
are being constantly introduced,
in addition to our

Immense Assortment

OF PLAIN and COMMON FURNITURE, that cannot
be equalled.
NEW ARTICLES of our own manufacture, warrant-
ed to stand any climate.

San Francisco made goods sold at Factory Prices, but
NOT GUARANTEED.

Elegant, Ornamental and Useful
Articles,

—FOR THE—

HOLIDAYS

NOW BRING

RECEIVED DAILY,
ALL OF WHICH

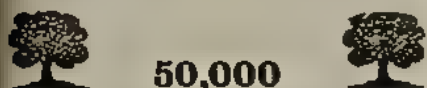
We Propose to Sell at
Extremely Low Prices.

CALIFORNIA

Furniture Manufacturing
Company,

220 to 226 Bush street.

40.11



50,000

EUCALYPTUS

TREES.

—0—

Eucalyptus Trees 8 to 10 feet high,

Trees 6 to 8 feet high,

Medium Trees 4 to 5 feet high,

Third size 3 to 5 feet high,

Second size 2 to 3 feet high,

The Mass size 1 to 2 feet high.

These Trees are of a good Healthy growth,
and can be packed to go any distance safely
and will be sold low in large lots.

Address, or call at the

40.12

FARMER OFFICE.

New Advertisements.



CARPETS,

OIL CLOTHS,

FINE FURNITURE,

AND

Upholstery Goods,

New Importations.

The Finest and Largest and Cheapest assortment of Goods
in our line ever offered in this market.

ALL STYLES OF CURTAINS AND CURTAIN
MATERIAL

FURNITURE ALL STYLES AND PRICES,

Carpets from the lowest to the highest Grade in
New Styles

FURNITURE IN NEW AND UNIQUE DESIGNS

An examination of all Goods and Prices respect-
fully solicited

PLUM, BELL & CO.,

23, 24, 26, and 28 POST STREET,

40.12 SAN FRANCISCO.



HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS,

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

40.1

50,000

NEWSPAPERS
FOR SALE.

A Large collection of Newspapers of all kinds
Foreign, Domestic, Agricultural, Scientific and
Literary, together with many kinds of Maga-
zines, being the various kinds received during
years of Exchange beyond our own wants for
binding, and suitable for the making up of
"Slop Books," as the collection of valuable
Data of the past Twenty Years, while many of
the valuable European and Eastern papers would
make files for a Library, or Reading Room for
"Farmers' Granges," containing matter of great
value to the searcher after knowledge

ALSO

20,000 Large Newspapers for Packing, being
strong quality of paper. These all will be sold
in Lots to suit, can be had at the

FARMER OFFICE,

320 Clay Street, up Stairs

1874. OUR 1874.

NEW PREMIUM PICTURE,

"MY BOYHOOD'S HOME,"

Given to each new subscriber to the

NEW FARM AND ORCHARD,

An 8 page, 12 column, WEEKLY, family paper,

Only \$1 a Year,

Send six months on trial for Fifty Cents. Money may be
sent by mail at our risk.

Address

A. A. BENDEL,

40.12 NEWBURGH, N.

The Napa 3-Wheeled Iron Gang-Plow,

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the supervision of
D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by
its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.
SECOND. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and low-
ering, without any exertion on the part of the driver.
THIRD. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three.
The plow is raised or lowered without lifting the driver's seat, and thus the weight is avoided.
FOURTH. THE LINE OF DRAFT. It is a center-draft plow. An adjustable clevis connects directly
with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts
itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.
FIFTH. EASE IN TURNING; by means of the rear wheel the plow can be turned with ease in its
own length, making a great saving in time in the course of a day's work.
SIXTH. IT IS EASY ON THE HORSES' NECKS. By resting the driver's seat on the rear end of the
pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.
The following testimonials show what farmers think of it:

"We, the following farmers, were present at a recent trial of this plow and found two mules to do
excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.)
Josiah Grigsby, Don J. McCoombe, A. Y. Clark, W. H. Gibbs, J. J. Regadale, E. D. Sawyer, D. O. Waller, M.
Beaves, and others." Messrs. Nathan Combs, J. D. Blanchard, Van Pelt and others, also testify to its
merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

40.9 NO. 3 & 5 FRONT STREET, SAN FRANCISCO.

SEED WHEAT.

I now offer to farmers of the State a quantity of that un-
equalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Tons. For one Ton and upwards Four
Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Nouran, Chico, or Wm. Van
Wort, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF
BUTTE" to Wheat Raisers are its great prolificness, small
amount of seed required, short, stout straw adapting it to
rich lands and Summer-fallow. For quality and quantity of
Flour it excels all other varieties.

Samples were exhibited at the State Fair and won the Prize.
The Farmer made from it also won the Premium.

WM. VAN WORT,

Nord, Butte County, Cal.

NEW STYLE

—OF—

WATER PIPE.

New Invention!

WOOD PIPE FOR

CONDUCTING WATER

This Pipe is made of all sizes, from ONE to TWELVE
INCHES BORE, and suitable for conducting Gas, or Wa-
ter, will bear as heavy a pressure as Iron Pipe, and will
endure an equal length of time, and at much less cost.

This Pipe will be found valuable upon large "Stock
Ranches," and in Orchards and Vineyards.

Descriptive Catalogues, with the List of Prices can be had
on application to

H. F. WILLIAMS,

381 Montgomery Street,

SAN FRANCISCO.

40.7

Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant
ALFALFA can have Samples of the different
kinds sent to them with prices of each, and
full directions for

SOIL, CULTURE,

TIME OF PLANTING

,CURING, &c., &c.

with valuable data, by sending to the

Farmer Office,

320 Clay St.,

SAN FRANCISCO.

RANDALL'S
GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

Just received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Ex-
press, charges paid, \$2.50. Send orders to the Farmer
WARREN & CO.

THE GORHAM

PREMIUM BROADCAST

SEEDER

AND

CULTIVATOR

COMBINED!

The Premium Gorham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the
State Fair at Sacramento in 1872, also at Modesto and
Chico—the only places it was entered. The Gorham
Seeder has been awarded the highest merit that prac-
tical farmers can bestow, wherever it has been intro-
duced. Letters from the various Agents throughout
the States of California and Oregon speak of the suc-
cess and the perfect manner of its working, together
with the great saving of seed, time, and money in
sowing and covering, even beyond their most san-
guine expectations. This celebrated machine is de-
signed to supersede all other processes of sowing and
covering all classes of grain and grass seeds, as it is
capable of doing a greater amount of work, and bet-
ter work, with a saving to the farmer from one fourth
to one-half the ordinary expense. From many sources
comes the intelligence that one of the Gorham Seeders
will pay for itself from one to three times the first
year, and with ordinary care the machine will last for
ten years. MAKE THE COMPARISON, AND BUY
A GORHAM SEEDER.

Read the numerous letters from practical farm-
ers who have used it on the Pacific Coast. Any one
desiring to learn more particularly of its merits, is re-
spectfully invited to write to any of the parties men-
tioned herein for such information.

MONROVIA, April 20, '73,
A. H. BUNNER.—Permit me, as well as so many others to
say something in praise of the GORHAM BROADCAST SEEDER
and CULTIVATOR. Last winter I bought of W. J. Houston, of
Modesto, the Sixteen Foot Seeder; after using them, I find
that for saving of time, labor, seed and expense, and the per-
fect manner of doing the work, that I have no hesitation in re-
commending them to every farmer as one of the best machines
in the world. Too much praise cannot be said in favor of the
Seeder. Respectfully,
J. W. MITCHELL.

WALTON'S RANGE, COLORED CO., March, 1873.
Messrs. A. J. BUNNER.—We have used the Ten Foot Gor-
ham Broadcast Seeder and Cultivator, purchased of you, and
cheerfully testify to its merits. We liked it so well that we
shall want to purchase another. We have sowed about Five
Hundred acres with it this year, giving it a fair trial. If we
could not replace it we would not take a thousand dollars for
the one we have. The Machine will accomplish all you re-
commended it for. One of our neighbors has one and speaks of
it in the highest terms. You can use it if you wish for pub-
lic health.
Yours truly,
SHERMAN & VERCKER.

A. J. BUNNER, Sacramento,
Sole Owner of Patent Right for the Pacific Coast,
At KELLER'S & Co. A. G. Warehouse,
J Street, Sacramento.
40.8

POTATO PLANTER.

The Potato Planter—a Great Labor Saving
Machine—by which a Man, Horse and Boy can
do the work of

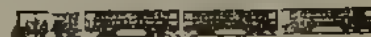
Twelve Men.

The Machine CUTS, PLANTS, and COVERS,
and does the work admirably, leaving a nice
finished field.

For Sale at the

Farmer Office

C. P. R. R.



COMMENCING

FEBRUARY, 1873.

And until further notice, Trains and Boats will

LEAVE SAN FRANCISCO

7:00 A. M. (Daily) Atlantic Express Train (via Oakland)
for Sacramento, Marysville, Redwood and Portland,
O., Colfax, Reno, Ogden and Overland.

7:30 A. M. (Daily) Cal. P. R. R. Steamer (from Broadway
Wharf), connecting at Vallejo with Trains for Cal-
ifornia, Knight's Landing and Sacramento; making close con-
nections at Napa with Stages for Sonoma.

12:00 M. Sundays excepted, Stockton Steamer (from
Broadway Wharf) touching at Vallejo, Benicia and
Landings on the San Joaquin River.

3:00 P. M. Daily, San Jose Passenger Train, via Oak-
land, stopping at all Way Stations.

4:00 P. M. Sundays excepted, Passenger Train (via Oak-
land) for Lathrop, Merced, Visalia, Tipton and Los
Angeles, Stockton and Sacramento.

4:00 P. M. Sundays excepted, Cal. P. R. R. Steamer
(from Broadway Wharf), connecting at Vallejo with
Trains for California, Knight's Landing and Sacramento.

4:00 P. M. Sundays excepted, Sacramento Steamer (from
Broadway Wharf) touching at Benicia and Landings
on the Sacramento River.

5:30 P. M. Sundays excepted, Overland Emigrant Train,
via Oakland—Through Freight and Accommodation.

OAKLAND BRANCH—LEAVE SAN FRANCISCO, 7:00,
8:10, 9:20, 10:10 and 11:20 A. M., 12:10, 3:00, 4:00,
5:15, 6:30, 8:15, 9:20 and 11:30 P. M. (9:20, 11:20 and 1:00
to Oakland only.)
LEAVE SACRAMENTO (from San Francisco), 5:30, 6:40, 7:50,
9:00 and 11:00 A. M., 1:30, 2:40, 4:55, 6:10, 7:55 and 10
10 P. M.
LEAVE OAKLAND, 5:40, 6:50, 8:00, 9:10, 10:00, and
11:10 A. M., 12:10, 2:50, 3:50, 5:05, 6:20, 8:05 and
10:50 P. M.
ALABAMA BRANCH—LEAVE SAN FRANCISCO, 7:30,
1:00 and 11:15 A. M., 1:30, 4:00, 5:30 and 7:00 P. M. (7:30,
1:15 and 5:30 to Fruit Vale only.)
LEAVE HAYWARD, (for San Francisco) 7:45, 7:00 and 10:45
A. M., and 3:30 P. M.
LEAVE FORTY VALLEY, 5:25, 7:35, 9:00 and 11:20 A. M.,
1:30, 4:05 and 5:20 P. M.

*Except Sundays, T. H. GOODMAN,
General Passenger and Ticket Agent.
A. N. TOWNE,
General Superintendent.

SOUTHERN PACIFIC RAILROAD:

ON AND AFTER AUGUST 15th, 1873,
PASSENGER Trains will leave San Francisco as
follows:

Through Trains for Soledad and Way Stations at 8:40
A. M. for San Jose and Way Stations at 7:20 and 14:40 P. M.

*Saturdays at 2:30 P. M.

Sundays excepted.

An extra train will leave San Francisco on Sundays at
9:30 A. M., then also leave San Jose at 5:50 P. M.

FREIGHT TRAINS—Through Trains for Soledad
will leave San Francisco at 4:15 A. M. Trains for San Jose
and Way Stations at 1:00 P. M.

A. N. TOWNE, Gen'l Supt.
A. G. BASSETT, Asst. Supt.
J. L. WILLIOTT, Gen'l Pass. Agent.

SACRAMENTO DEPART RES.

C. P. R. R.

COMMENCING FRIDAY, AUGUST 20th, 1873,
and until further notice, Trains and Boats will leave
Sacramento as follows:

15 A. M. Sundays excepted Local Passenger Train to
Stockton, San Jose and San Francisco.

6:30 A. M. (Sundays excepted) Accommodation Train to
Marysville and Tehama.

6:45 A. M. (Sundays excepted) Local Passenger Train via
Vallejo, for San Francisco.

10 A. M., or as soon thereafter as practicable (Sundays ex-
cepted) San Francisco Boat—touching at all Way Ports
on the Sacramento River.

9:45 A. M. (Daily) Overland Emigrant Train—Freight and
Accommodation.

10:30 A. M. (Sundays excepted) Accommodation Train to
Davis and Knight's Landing.

1:20 P. M. (Daily) Express Train to Stockton, Lathrop, Mer-
ced and Tipton, San Jose and San Francisco.

2:10 P. M. (Daily) Overland Express Train—Colfax, Reno,
Ogden and Omaha.

2:30 P. M. (Daily) Oregon Express Train to Marysville, Red-
wood and Redding.

3:40 P. M. (Daily) Express Train via Vallejo, for San Fran-
cisco.

4:45 P. M. (Daily) Accommodation and Freight Train to
Stockton and San Francisco.

7:15 P. M. (Sundays excepted) Passenger Train to Davis and
Knight's Landing.

T. H. GOODMAN, Gen'l Passenger and Ticket Agent.

35.12 A. N. TOWNE, Gen'l Supt.

S. V. R. R. and P. and S. V. R. R.

Change of Time.

ON AND AFTER WEDNESDAY, MAY 28th, 1873,
until further notice, Trains will run as follows, daily,
except Sundays:

Leave Sacramento and Folsom and Shingle
Springs at 6:00 A. M.

Leave Sacramento for Folsom at 4:00 P. M.

Leave Shingle Springs for Folsom and Sacra-
mento, at 10:55 A. M.

Leave Folsom and Sacramento, at 7:50 A. M. and 12:40 P. M.

JOSIAH JOHNSON,
Superintendent.

39.19

COPARTNERSHIP NOTICE.

We have this day admitted into our house as
partner, Mr. GEORGE H. KRAUSE and Mr. JOSEPH
L. CHAP. S., formerly Messrs. KRAUSE & CHAPIN,
of this City, and shall continue the Wool Com-
mission business, under the firm name of WAL-
TER BROWN, SON & CO., at our new store,
No. 148 Deane Street. We shall aim to have
always on hand a good assortment of desirable
Wools, which we will sell at the lowest market
prices; and as our warehouses are spacious and
particularly well lighted, purchasers will have
mutual advantages for examining the Wools
offered.

Wishing our friends the compliments of the
season, we respectfully invite them to give us
an early call. WALTER BROWN & SON.
New York,



Home Miscellany.

SATISFIED.

"I shall be satisfied when I awake with my limbs a-"

What shall I do in heaven? The lacerated
Upon whose love and smiles I leaned here?
Shall I rejoice that naught can there divide
United hearts, and so be satisfied?

What shall I do in heaven? Shall I be blest
With a long luxury and endless rest?
Conflict and labor over, shall I ride
Through untroubled, and be satisfied?

What shall I do in heaven? A messenger
Passing from exiled ones to those who are
And suffer still on earth? Mid souls so wide,
Shall I who love to work, be satisfied?

I know not, care not; when life's fetters break,
When from death's blessed restful sleep I wake,
Whether my love will hold, or may provide,
Being like Thee, I shall be satisfied!

COMPANIONS.

They are about us ever,
Unseen by mortal eye,
Friends whom death cannot sever,
Links of eternity.

And oft-times in the watches
Of still and lonely night,
The weary spirit catches
Glimpses of celestial light.

Trembles of familiar fingers,
Halo of parting smile,
Imprint of lips that linger,
Our memories beguile.

Ah, may it not be that they
Who shared our fondest love
Are still with us when we pray,
With blessings from above—

Companions watching o'er us
With anxious yearning eyes,
Friends who have gone before us
To welcome us on high!

To whom the task is given
A guardian angel's care,
To lead our souls to heaven,
To greet those loved ones there.

DOWN INTO THE DUST.

BY JOAQUIN MILLER.

Is it worth while that we jangle a brother,
Bearing his load on the rough road of life?
Is it worth while that we jangle each other
In blackness of heart—that we war to the knife?
God pity us all in our pitiful strife!

God pity us all as we jangle each other;
God pardon us all for the triumphs we feel
When a fellow goes down beneath his load on the heather,
Pierced to the heart: words are kinder than steel,
And mightier far for woe or for weal.

Where it not well, in this brief life journey
On over the hazy, down into the tide,
We give him a hand instead of a serpent,
Ere folding the hands to be and abide
Forever and aye in dust at his side!

Look at the roses saluting each other;
Look at the birds all at peace on the plain—
Man and man only make war on his brother,
And laughs at his heart at his peril and pain;
Shamed by the beasts that go down on the plain.

Is it worth while that we battle to humble
Some poor fellow-soldier down into the dust?
God pity us all! Time oft soon will tumble
All of us together like leaves in the gust,
Humbled indeed down into the dust.

THE GOLDEN YEAR.

BY TENNYSON.

We sleep and wake and sleep, but all things move:
The sun lies forward to his brother sun;
The dark earth follows wheeled in her ellipse;
And human things returning on themselves
Move onward, leading up the golden year.

Ah, though the time when some new thought can bud
Are but as poets' seasons when they flower,
Yet sees that daily gain upon the store
Have ebb and flow conditioning their march,
And slow and sure comes up the golden year.

When wealth no more shall rest in mounded heaps,
But spent with fear light a still slowly melt
In many a streamlet fallen lower lands,
And light shall spread, and man be like man
Through all the seasons of the golden year.

Shall eagles not be eagle? wrens be wrens?
If all the world were false, what of that?
The wonder of the eagle were the less,
Be he not less the eagle. Happy days
Roll onward, leading up the golden year.

Fly, happy, happy sails, and bear the Press,
Fly happy with the mission of the Cross;
Kilt land to land, and blowing heavenward,
With sails, and trails, and spires, clear of toll,
Enrich the markets of the golden year.

But we grow old. Ah! when shall all men's good
Be each man's role, and universal peace
Lay like a shawl of light across the land,
And like a lace of beams about the sea,
Through all the circles of the golden year?

Happiness is like manna. It is to be gathered
In grains and enjoyed every day. It will not
keep; it cannot be accumulated; nor need we go
out of ourselves, nor into remote places to gather
it, since it has rained down from heaven, at our
very doors, or rather within them.

Unrequited love is said to be the toothache of
the soul, but a little gold filling usually stops it.

EFFERVESCENCE.

That is what these promises amount to which
so many make and never fulfill. Something
touches the heart—a sad story—a glad story—fills
it with sympathy—enthusiasm—pop goes the cork
of indifference, and out rush the good resolutions,
the comforting promises, the contracts for tangible
consolation—out they come, all sparkling and
foaming, and people that don't know that heart,
think the man is going to do wonders for his fel-
low men; but those that have had former trans-
actions with him, though granting his sincerity,
put down his promises for what time will prove
them to be—effervescence, and nothing more.

It won't do to let soda water stand uncorked;
one must take it down on the instant, or lose its
refreshing properties. And that is the way with
these enthusiastic promises, and many others—
make them available on the spot, and you have
done a good stroke—allow them time to cool off,
and they entirely ignore their agreements.

But promises can not be always fulfilled in the
day of time—some refer to months, years, a life-
time in the future! Yes! and the months, the
years, the lifetime's future testify most sadly that
these solemn vows remain uncanceled—unre-
deemed.

It was only the other day we were reading of that
heroic young woman who gave up her life for the
Memphis sick. The papers were full of glowing
accounts of her bravery, her tenderness, her self-
sacrificing love. A grand monument that Giffing
was to have; such a monument as she, in her
hitherto obscure life, had never dreamed of. Ah,
how the blessings called down upon that noble
girl filled column after column of our nation's
papers. To-day we picked up a paper among our
exchanges, containing the cool statement that, if
"that monument" was going to be raised at all,
it must be done at once, or the funds would not
be forthcoming; that it was much more difficult
to obtain the subscriptions now than it was at the
time of the occurrence. Why so? Has the dead
lost any of its grandeur in the interval? Has
the life that young woman laid down for the Mem-
phis citizens been accounted of less worth in
these weeks than the day upon which it was sac-
rificed? No, not a bit! But to tell the truth in
the matter, the effervescence is subsiding. But
what matters it to her, as crowded with radiance,
she sits at the feet of Him who, looking down upon
her, gently declares, "Greater love hath no
man than this, that a man lay down his life for
his friends." What matters it to the immortal
spirit what honors, little or much, are raised over
the body which swarmed it? Ah, very little it
amounts to her—the glory of men—sitting as she
does within blessed hearing of her Master's "Well
done!" If individuals only keep their promises
towards the living! That is the neglect we must
deprecate. Many times promises never seem to be
fully realized till the one who called them forth
lies silent in death, till the "too late" stares us
in the face, and removes our every opportunity.

We know a man who took a girlish bride to
his home three years ago, who promised to love
and cherish her, for better, for worse, in sickness
and in health; and when he made this solemn
vow, he did so in the sincerity of his heart. I sup-
pose, yet when the little wife got sick, and lay for
months and months on a weary bed, wasting her
precious life away, he knew nothing about cher-
ishing her. The house was "gloomy enough." He
thanked "his stars" his business kept him out
all day, and that when it didn't, there were plenty
of places in which to loiter away the time—while
the white-faced child-woman counted the hours
in loneliness and sadness—but, with never a mur-
mur as she acknowledged to herself, "for better,
for worse," her promise had been made. It was
worse than the physical pain to lie there and know
she had become a burden to the man who once
told her he loved her better than his life. But he
didn't know such thoughts ever entered her mind.
How could he in the few moments which in duty
bound he daily spent in the sick-room with the
duty-bound expression on his serene and placid
countenance. He meant to be kind, but "Con-
found it! This leaving a sick wife on your hands
isn't as agreeable as it might be!" For whom?
For her? or for you? we ask him. He has for-
gotten all about the cherishing part. He made
that promise to a fair-faced, bright-eyed girl—
but when the latter is blighted by an early frost,
when the pink cheeks fade to whiteness, and the
sparkling eyes grow dull—when the fragile flower
lies back upon the bed to die—he sees no life
there—only a burden; his obligations to love
and cherish are all forgotten, for they have
amounted, in the mean time, to effervescence—
nothing more!

We know of another couple who took each the
other for better or worse. She but eighteen, he
only twenty. They took each other on trust for
what their undeveloped characters might prove,
and made their solemn promises accordingly. Harry
didn't turn out well, f. s. he didn't seem to
have any business capacity; couldn't coin money
to save him; was a good plodder, earnest, sin-
cere, but couldn't dash ahead like some people.
Did the wife make good his lacking talent? Did
she save to equalize? No! she squandered his
earnings! And worse than that, she sneered at
him! Taunted him with his lack of ambition;
treated his opinions with general contempt, and
finally drove the man to desperation—and—
to drink. Then she left him! She who had prom-
ised to cherish that man through better and worse,
pushed him towards the worse and cast him off.
Poor Harry! And yet to-day he drinks to the
little woman's health, as he fills up his glass and
thinks of his companions. As low as he has fallen,
he still clings to the dear old love. Not so with
Mrs. Harry—her love, her faith, her promises all
gone—and on the tablet erected to their memory
we inscribe Effervescence. Simply this! For in
truth they were nothing more.

The marriage vows are not the only promises
left unkept. There are others made and broken
every day. Promises to children, oh what hosts
of them; countless ones to our fellow-men; to
the poor widow—to the orphan—oh what an ar-
ray! Among these are so many promises which,
upon an after-thought, seem to us too trifling to
carry out, but to those waiting the fulfillment
they may mean more than we can possibly com-
prehend. When that Charlie-boy of yours shouts,
"Papa bring me a shooder rabbit!" as you hurry
away in the morning, and you about back, "Yes,
yes," as you toss through the door a kiss, don't
let that sugar rabbit stand between you and your
Charlie-boy's faith. "Too busy to buy sugar
rabbits?" Then don't promise them! Don't go
home to that eager questioning face pressed
against the window pane—don't go home to him
empty-handed—even though a "nice story in-
stead" will cause temporary forgetfulness. Teach
him that a promise is a promise—that promises
are made to be kept—that with you they amount
to something more than mere—effervescence.

And didn't you promise Johnny Newsboy a new
jacket at Christmas-time? Ah! you forgot it!
Yes, but he didn't. Daily over his rage for the
past two months has been drawn that promise to
keep him warm, and the sneers of his one and
that at his tattered condition, have elicited no re-
ply, and felt unmeasurably upon his ears as he has
whispered your promise to his hopeful heart.

How many times he has counted on his fingers the
days to Christmas, and looked into the tailors'
windows wondering what that new jacket would
be like. It has been the beacon-light to Johnny
Newsboy as he has been beaten about here and
there in that never-sinking craft termed Hard-
ship. It was a blow to him such as few cannot
realize when you forget that "trifling obligation"
—when your good will faded out in—effervescence.

And here is the New Year—oh what a time for
making promises! How splendidly the world
moves the first week in January; everyone work-
ing on new resolutions—from new stand-points—
with fresh morals and a religion all afire since
"Watch Night." A pity it cannot go on so for-
ever! Yes, but it can't! That is, if you and I
will only do our part. What do you say? Shall
not these New Year's promises, the vows and the
pledges, that are to lead us into a higher, holier,
better life this 1874, be carried out? Do you
promise? Then here is our hand. But stop a
moment—let us first add, "By the Grace of God,"
that through His strength made "perfect in weak-
ness," we may have something better to look back
upon than promises now given with intentions
the most sincere, but which without the aid of
the Guiding Hand are likely to result in nothing
more serious or satisfactory than the usual evan-
escence—Effervescence.—By H. V. CANON, Editor
Wood's Household Magazine.

DRESS OF SMALL GIRLS IN WINTER.

Much improvement in the dress of girls has
been made in the past few years. The old and
time-honored custom of having the neck and
arms bare, even in winter, though perhaps add-
ing grace and beauty, and serving to display the
finely moulded and dimpled arms and neck, has
succumbed to the innovations brought about by
greater intelligence and the better understand-
ing of hygienic laws. Mothers seem at last to
have learned that the tender infant or the little
girl old enough to run about into cold rooms, or
through an open door into the street, needs pro-
tection from cold and sudden changes as well as
as herself. And we may thank capricious fash-
ions for having adopted high backs and short
sleeves. The benefits of this change are deeply
apparent in the diminishing of diphtheria, croup,
scarlet fever and other kindred maladies to which
children are subject from taking sudden and vio-
lent colds. Many a dear little one whose bed is
now with the sleepers in the "Silent City,"
might be filling the house with music and the
mother's heart with gladness, had it not been for
inefficiency of protection from changes of the
weather.

Yet there is still room for improvement. I see
many children whose lower limbs are quite too
much exposed for health or comfort. It is not
unfrequent to meet little girls with dresses up to
the knee and but one pair of perhaps cambric
drawers open at the bottom, and thin, cotton
stockings. Any grown person, or boy, would
freeze if clad thus. No wonder that so many
when they arrive at the age of womanhood, have
no constitutions, and are good for little but faith-
ful invalids, whose chief business through
life is to supply the doctor with good fees. Ev-
ery child should wear a pair of under-drawers
made of Canton flannel (or, better still, of wool),
buttoned on to a waste or the chemise, out as
small as the leg at the bottom and left open a
little way and extending down under the stock-
ing to the top of the high shoe; over these a
pair, cut moderately full buttoned just below the
knee. The band is pretty finished with a narrow
satin or a bit of embroidery. I know many
think they do not look so well as when made
open at the bottom, but they are certainly much
more comfortable and sensible. And what care-
ful, loving mother will not more regard the
health than the looks of her dear ones?

A very nice way for the every-day dress of
little ones, from three to six years of age, is to
have the dress and pants of the same material—
some plaid or stripe. If of cotton, some pretty
gingham, or even a fine check or striped print,
looks well. Then, with warm stockings and shoes
which will defy dampness, the mother need not
be afraid to let her little girl have exercise in the
open air in any mild day, and feel assured that
she will grow up stronger and healthier than if
kept dressed like a doll and in the parlor, for
fear of soiling her fine clothes. A pair of knit
woolen leggings, drawn high over the knee, give
additional warmth and comfort, and with proper
wraps and a pair of warm mittens, the little girl
may defy the cold and exercise with her aged or
skates with as much impunity as her tough, rosy
brother.

[We earnestly commend the above excellent

advice to all Mothers and Guardians of little
children—such advice is specially important to
this City and State during our unusually wet and
cold winter. We take the article from Moore's
Rural New Yorker, by Mrs. W. O. G.—Ed. F.]

HONOR TO PARENTS.

Parents, many of them, have ceased to com-
mand their households after them. Children at
a very early age cease to honor their parents.
Boys are young men, girls are young ladies, be-
fore they are into their teens. And when a boy
sets up to judge for himself as to his hours and
habits, in spite of his father's wishes, and a girl
assumes to know more than her mother about
her company and her dress, the rebellion has
broken out, and unless it is put down, the ruin
of domestic peace, and the very likely of hap-
piness and hope, follows naturally. When I hear
a boy speaking of his father as "the old man,"
or "the governor," I know their is a screw
loose, and the boy has taken a long step toward
the bad. And the girl who pouts when reproved
by her mother, and jerks off her bonnet in a pet,
when restrained from going abroad, has already
maintained against the law of heaven, and entered
the road that leads to a gulf from which there is
no return.—Moore's Rural New Yorker.

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SEEDS AND PLANTS BY MAIL.

During the last Session of Congress a bill was passed which
curtailed very much the sending of Seeds and Plants by mail,
as it changed the Law which allowed sending packages of
four pounds, and restricted it to parcels of only 16 ounces.
This act was so universally condemned that remonstrances
and Letters were sent on to Washington to have the law
repealed and the former law again established, and now partly
glad to know this has been accomplished, and now packages
of four pounds can be sent of Seeds, Cuttings, Plants, etc.,
the old rate of 3 cents per pound.

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It must always be borne in mind by all who send Seeds
Plants by mail, that every package must be done up in
and every package of Seeds, or Plants must be prepaid, and
go in the Newspaper Mail.

LETTERS AT FARMER OFFICE.

The following Letters addressed care of Far-
mer Office, are waiting to be called for:

Rev. James Bassett, 1 Letter.
W. Wood 1 "
Hon. J. S. Deibel, 1 "
J. B. Morrey, 1 "

Miscellany.

AMERICAN WONDERS.

The greatest cataract in the world is the Falls of Niagara. The greatest cave is the Mammoth Cave of Kentucky. The greatest river in the world is the Mississippi, 4,100 miles long. The largest valley in the world is the valley of the Mississippi. The largest lake in the world is Lake Superior, which is truly an inland sea, being 430 miles long and 1,000 feet deep. The largest rail road in the world is the Pacific Railroad, which is over 3,000 miles in length. The greatest natural bridge in the world is the natural bridge over Cedar Creek in Virginia. The greatest mass of solid iron in the world is the great iron mountain in Missouri. The largest deposits of anthracite coal in the world are in Pennsylvania.

FROM THE HAWAIIAN ISLANDS.

From the last exchanges from the Islands we clip the following interesting items, from the Hawaiian Gazette:

A SNOW STORM IN THE TROPICS.

One of these beautiful sights occurred on Hawaii during the late storm. What was rain here fell in the form of snow there. The tops of Mauna Kea and Mauna Kaa were completely covered with snow early in the morning, which began to melt as soon as the sun rose and scattered the white mantle from the ridges, the snow which lay in the valleys remaining there for days. At the same time that these mountains were covered with snow, the fires of the two craters of Kilauea and Mokuawewe burned brightly, and the glare as reflected on the overhanging clouds afforded a brilliant sight, which was observed for hours by the passengers on the steamer as she passed along the Puna coast on Thursday night last. It is somewhat remarkable that the summit crater of Mokuawewe should continue so long in action, now nearly twelve months—what has not been known to occur before during the residence of foreigners on this group.

CUBAN SUGAR.

A noted French chemist has discovered a method of producing sugar by chemical combination, instead of by extracting the saccharine matter. By the new process, which at the present is kept secret, it is estimated that the very best grade of sugar can be furnished for fifty cents per hundred weight. Just think of that—white sugar for only a cent a pound. Why a man can feed all the children in the country at an expense of two bits.

A letter from Lebanon states that but little rain fell there during the late storm of tea days. So in Kona the rainfall was very light when the settlements are, though rain and snow are abundant higher up the mountains. At Kilauea and other places near the shore, water was quite scarce, so much so that every shower was watched and the rain-water saved.

WELL PRESERVED APPLES.

The entertainment given the members of the State Board of Agriculture, at the house of Capt. R. T. Miles, during the late meeting at Fitchburg, among other rare and choice fruits were several baskets of Roxbury russets, of the crop of 1872, in a remarkable state of preservation. They were sound and quite plump, and retained a fair proportion of their original flavor.

Capt. Miles' foreman informed us that he considered it no wonderful feat to keep apples in good condition two years. He keeps them in barrels in a cold cellar. Has the barrels as near air tight as possible and heads them up after they are entirely past all sweating stages. Does not look them over till wanted for use. One of the secrets of keeping is not to eat them.—The New England Farmer.

How to prevent fire—Buy ready-made boots.

A recent number of a ladies' magazine, in its "Housekeeper's Department," informs us that "thirteen housewives make the best of pickles."

A boy found a pocketbook and restored it to its owner, who gave him a five cent piece. The boy looked at the coin an instant, and then handing it reluctantly back, audibly sighed, as he said, "I can't change it."

"I'll take two children if I can have 'em cheap," said a Tall Yankee, on entering an oyster cellar on Canal Street the other day.

"Two children—what two children?"

"Why I hadn't got any myself, and your sign reads 'Families supplied,' don't it? I want you to supply me with two!"

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity to our cause and to our State. Journals that will extend California interests and speak of our State as the desert, will receive our first consideration.

We desire first to extend the information of our rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a kindly word for our State or for us, we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to continue all, we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and, as we pay the Postage this side on all we shall continue, others will receive due notice our declining Exchange.

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N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars. N. G. 37.17

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CALIFORNIA FARMER.

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The Pioneer Herald

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VOLUME XL. SAN FRANCISCO, CALIFORNIA: THURSDAY EVENING, JANUARY 22, 1874. NUMBER 15.

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All letters on business connected with the office should
be addressed to WARREN & Co., PUBLISHERS.

PARIS, December 27, 1873.

NATIONAL AID TO AGRICULTURE.

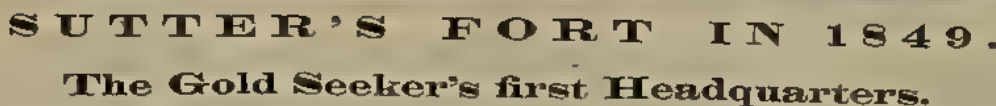
Everything considered, the budget of Agriculture has very fairly passed the ordeal of the Assembly. If estimates have not been increased, owing to want of funds, grants have not been withheld. Every disposition was exhibited to create an obstacle in the path of agricultural instruction in its widest sense, and there was great wisdom in the suggestion, that that ameliorating machinery could be rendered additionally effective, by local efforts supplementing governmental assistance, and above all, to impress on the educational establishments the best of examples they could give, would be making themselves self-supporting. Funds were voted to conduct the silk-culture "station" at Montpellier, where everything connected with the breeding and rearing of the silk worm and its products would be illustrated, compared and summarized. A grant was voted to reconstitute a model kitchen garden at Versailles, which Paris eye had a reputation.

AGRICULTURAL SYSTEMS.

was Bourgeoisfoult founded on his farm at Meudon-Bréon, the first "Agronomic Station" for studying the theories of agriculture in their widest scientific expression. These stations have influenced much in France, and have become institutions in Germany. So successful have they proved in France that several are self-supporting. In contemplation to add to their usefulness in selecting them at depots for genuine seeds and manures, improve live stock, implements, and the society of acclimatization will distribute among them specimens of useful game, poultry, and animals that might be profitably bred and raised. Owing to this society's exertions many "chasse" parks are now fairly stocked with several new varieties of game birds, as well as deer, gazelles, whose flesh is much relished, and in some cases tamed.

THE SWISS DAIRIES.

from the Canton of Bern, in Switzerland, especially the valley of Simmenthal, so much esteemed the true Grigère cheese, so much equal in Paris and on the Continent generally. The valley is surrounded by high mountains, whose very summits afford excellent pasturage for the valley itself but on one vast rich, green meadow. Only a few patches of ground are cultivated—gardens in fact—for the production of potatoes and vegetables. The population does not, imports flour and bread, which is supplemented with milk, cream, cheese and butter. The strength and robustness of the people are the best evidence of the excellence of this dietary. There are more *chalets* than cattle, the men care the cattle, the women the



LETTER OF GOV. STANFORD.

We present the following Letter of Gov. Stanford, as addressed to the Committee on Corporations, and we ask every unbiased mind what more could be asked of any man or corporation than is here proffered by Gov. STANFORD.

We believe also that every reflecting man will at once see that Gov. Stanford has presented the right view of the case as we remarked in our last issue—this *Mentis for Reform* unless carefully controlled by wise heads, will so check the present glorious prospects of our State as to blight all the benefits that seems in store for us.

Where will our Farmers be, the coming Harvest with a crop 50 per cent, larger than last year and no Railroad to convey these crops to market?

Should the present Legislature for an undue or unjust attack upon our Railroads now striving to benefit our State. Should such a Law be made as to check their success, the crops would remain unharvested, or at least unmarketed to an immense extent, and a heavier calamity come upon our State than ever before known.

We hope the plain sound statements of Gov. Stanford will have an influence for good :

To the Honorable, the Committee on Corporations of the Senate: The various bills before the Legislature upon the subject of railroads are calculated to affect so seriously the interests of the railroad companies, as well as that of the people that I do not deem apology necessary for desiring to place before your Committee a few suggestions that occur to me as especially important for your Committee to consider in connection with the proposed legislation.

From the high character of your Committee it is safe to assume it will approach the consideration of the various bills without prejudice, and with the determination to act fairly and as wisely as possible towards individuals and the people.

A more important subject than that of transportation can scarcely come before the Legislature of a State.

I shall not say much in the statement that the present system of railroads of this State is saving to the people, in the difference of the present cost of transportation from what it would be for the same business by other means of transportation, about fifteen million dollars annually. Other benefits, such as increased value and developments, may well be considered, but, though immense, they are not so definite.

The bonded indebtedness of one railroad company with which I am connected, including lien of the Government of the United States, is in round numbers eighty-one million dollars.

FINE GRAIN

Mr. L. I. Fish has left without a sample of Oyster harley that is remarkable for size, weight, plumpness, and its thin husk or skin. The harley is from half an ounce of seed, sown about a year ago from England, and planted on the 6th day of February last, yielding, clear of waste, 16½ pounds, or at the rate of more than 3,200 pounds per acre for the ground planted; the seedling having been at the rate of less than four pounds to the acre. This rate of yield is about 600 for 1 of seed; and the question suggests itself, if we may not on this hint, by drilling or otherwise, effect a material saving in the quantity of seed used in our husbandry?—*Contra Costa Gazette*.

A REMARKABLE COW.

At the late Iowa State Fair, C. G. Andrews exhibited a grade cow, six years of age, which gave her owner 606 pounds of milk in ten days, or an average of over sixty pounds per day. From the milk of the same ten days 27 lbs. 14 oz. of butter were made. This is at the rate of 2 lb. 6 oz. per day, or 14 lb. 10 oz. per week. She had to be milked three times in every twenty-four hours.

A farmer's club is organizing in New York, composed exclusively of people who are sowing their wild oats.

I submit that if the State does not choose to assume the ownership and construction of railroads, that the true way to secure cheapness is to secure investors against injurious change of their charters, and to place as few burdens as possible upon the operations of the railroads.

The cheapest transportation by railroad in the world—the amount of business, character of roads and attendant circumstances considered—in the State of California. If your Committee choose to inquire, it will find that several railroads of this State have not yet reached a paying basis, and none a dividend basis, aside from the Central Pacific, to the main line of which this legislation is not applicable. Should the bill before the Legislature become laws they will cause practical retardation, because of the inability of the railroad companies under them to meet their obligations. Are there any prepared to assume or justify this responsibility?

Certainly the people of the State will not tolerate such result, and will not knowingly be unjust; nor will they permit it to their representatives—their good faith unblemished and inviolable they will maintain. I am convinced the agitation now existing upon the subject of railroads, which coming naturally in part from the desire of the people to do their business at the lowest possible expense, arises from misapprehension of the facts is in for your Committee to make an exhaustive examination into the facts appertaining to rates, that you and the people may understand the important question before you. Nothing short of this will settle anything, or give security or satisfaction to any, save perhaps a few who may find an individual advantage in the obscurity that permits of agitation. But may it not well be asked why should investments in railroads be encouraged, and their stability permitted and secured? Are not these investments of a highly beneficial character? If additional railroads are to be had, and competition secured, then there must be stability to the laws, and security to the rights under them. The mere suggestion of the instability of laws affecting railroads has already substantially destroyed their credit abroad, and stopped construction, and inflicted incalculable injury to the country.

Any information calculated to elucidate the questions involved by the subject before your Committee, and in my power to supply, will be cheerfully furnished

So far as alleged abuses are concerned investigation will show that they are mostly imaginary; but the companies will gladly correct any that exist upon their being pointed out, and will welcome any assistance to prevent the occurrence of similar ones in the future.

I am, very respectfully, your obedient servant.
LELAND STANFORD.

FLOWERS AT THE NEW YORK STOCK
EXCHANGE.

"A few days ago," states the *New York Daily Bulletin*, "some of the most sentimental brokers doing business upon the Stock Exchange, made up a pool of a small amount, by subscribing 25 cents each, for the purchase of a handsome terra-cotta vase, which was placed upon the large table in the Exchange, to be given with 'fresh-cut flowers every morning by Mr. Alexander Stewart."

the entire arrangement, in fact, was made at the suggestion of Mr. Stewart, who has adopted this method of humanizing the board. It is stated that the brokers readily handed in their quarters, particularly the young ones, many of whom remarked that the flowers would remind them of the green fields of their youth, and of the days when they were young and innocent. If the flowers upon the table are the means of giving a pleasing sentiment to a single broker, surely their mission is not in vain. Mr. Stewart, who is head missionary in this matter, has already been the recipient of many congratulations, and well he should be, for now that he has driven the entering wedge and opened up the way, it may be readily anticipated that most of the religious bodies in the city will be extending their missionary work to this new most prolific field."

[We wonder if a large and handsome vase of rich and fragrant Flowers would soften down our kelted Stock brokers on California St.—Ed. P.]

HEAVEN AND HOME.

I was reading the other day that on the shores of the Adriatic Sea, the wives of fishermen, whose husbands have gone far off upon the deep, are in the habit at even-tide of going down to the sea shore, and singing, as female voices only can, the sweet stanzas of a beautiful hymn; after they have sung it they listen, till they hear borne by the wind across the desert sea the second stanza, sung by their gallant husbands as they are tossed by the gale upon the waves, and both are happy. Perhaps, if we could listen, we too might hear on this desert world of ours some sound, some whisper borne from afar, to remind us that there is a heaven and a home; and when we sing the hymn upon the shores of earth, perhaps we shall hear its sweet echo breaking in music upon the sands of time, and cheering the hearts of them that are pilgrims and look for a city that hath foundations.—*Dr. John Cumming.*

NOBLE OBEDIENTY.

Dr. Chalmers beautifully said: "The little that I have seen in the world and known of the history of mankind, teaches me to look upon their errors in sorrow, not in anger. When I take the history of one poor heart that has sinned and suffered, and repent to myself the struggles and temptation it has passed through—the brief pulsations of joy; the tears of regret, the feebleness of purpose; the scorn of the world that has little charity; the desolation of the soul's sanctuary, and threatening voice within; health gone; happiness gone—I would fain leave the erring soul of my fellow-man with Him from whose hands it came."

THE REVISION OF THE NEW TESTAMENT.

The New Testament Company of Revisers assembled on 9th inst., in the Jerusalem Chamber for their thirty-fifth session. The Bishop of Gloucester and Bristol presided. The other members were the Bishop of Salisbury, the Dean of Lincoln, the Dean of Rochester, the Dean of Westminster, Canon Kennedy, Canon Lightfoot, Canon Westcott, the Prolocutor, Professor Monmon, Professor Newth, Professor Palmer, Mr. Hort, and Mr. Humphry. The company completed the first and provisional revision of the last chapter of the Acts of the Apostles and then proceeded with the revision of the Epistle of St. James.

WASTING TIME.

Hundreds squander time not alone in the morning, but during all the day. They waste time on both sides of the dinner, at every interval of business, at evening. Men waste their time in worse than frivolous talk, in lounging and gadding in needless sleep, in slow and lazy performances of the little duties of life. They read nothing but trash; they meditate none; they seek no useful information; they gild the surface of their lives with some slight accomplishments, and then, when the rubs and tags of life come on, and they are shorn on of the way by rude but tough natures, they whine and complain of ill luck, of the world's cold-heartedness envy the fortune's and long for good luck.

PORK PACKING.

To a half bushel of good ordinary salt I add one-fourth of nitre, pulverised and mixed well. When the animal heat is all out of your pork and before it hardens, pack it down thus: First, have a clean barrel well hooped, and a piece of board nailed inside the chime across the head below to keep the latter from bursting out. Set it under a beam in your collar, give a coat of salt on the bottom of the barrel, then a layer of pork, and so on, filling the side spaces as the barrel fills with pieces of pork out to suit, and pressing every second layer gently with a maul, so as to render it solid and more compact. When your pork is all in, the spaces should be closely filled with salt, and left. Then fit a lid on the pork, on this a strong cross block, and cut a piece of scantling to reach from top of block to beam of cellar, and fit it in and wedge with an ax tight as you can well drive, tightening up twice a week until the brine forms and runs over the pork, and it is done. In salting, arrange so as to have the brine cover the pork. I use no water; it is that which makes the pork rancid.—*Ohio Farmer*

RECLAIMING LANDS.

In North Germany the reclamation of the extensive low lands, that have heretofore remained uncultivated for lack of drainage, is now proceeding with vigor, under the auspices of a company employing large capital and effective steam ditching machines. Each machine cuts a canal 20 feet wide and 8 feet deep, and from 100 to 120 feet in length, every 10 hours. The peat is delivered on the surface of the ground alongside the canal, where it is dried, cut into bricks, and sent to market.

CHRISTIAN SLAVERY.

Let the love of your brethren be as a fire within you, consuming that selfishness which is so contrary to it, and so fatal to man; let it set your thoughts to work to study how to do others good; let your love be an active love, intense within you, and extending itself in doing good to the souls and bodies of your brethren, as they need and you are able.

The liberal heart is a fountain of life.



Agriculture.

BOOK FARMING.

[We find the following sound and sensible article upon "Book Farming," in the *American Farm Journal*, published at Toledo, Ohio.

It is really desirable that this subject should be better understood. Books on Farming are the "Trees of Knowledge"—the fruit of experienced men, they, tested by practice, then wrote the results of that practice, planted the seed, and Books are the result of their work—without such knowledge little would ever have been accomplished.—*Ed. F.]*

"Among a great many of our practical farmers, there exists a strong and deep-rooted prejudice against what is derisively termed by them 'Book Farming.' What is meant by 'Book Farming,' it seems, is that farming which is taught in books in opposition to that of practical every day life. In making this distinction, as does the farmer who assumes that the two are different, the assumption is that all 'Book Farming' is entirely theoretical and likely to be antagonistic with the facts, and that to adopt the policy of books is to discard the teachings of one's own experience, and be betrayed into blunders which will bring upon him the ridicule of his associates. If the assumption were true, the conclusion would follow in most logical order. But what is the real state of the case? Men whose years in agriculture, horticulture, and stock breeding, entitle them to the rank of veterans embody in printed form the results of a life-long experience. Every position taken has stood the test of a practical life, or at the least is fully supported and substantiated by the experience of those upon whom the author can implicitly rely. If the same knowledge were communicated orally, the very men who have treated it so lightly would give it close attention, and in every instance allow it due weight even as against their own observations. This state of affairs we are glad to know is rapidly giving way to a more modern view, and we have in the leading agricultural papers of the day frequent instances of practical men who as 'regular contributors' are giving the public the valuable results of their daily work on the farm and in the garden."

DEEP OR SHALLOW PLOWING.

[The following article on Deep or Shallow Plowing is worthy the careful consideration of our Farmers. We have always advocated deep tillage, and we give this article as proof of the right way.—*Ed. F.]*

It may seem strange that there should be such a difference of opinion between intelligent and practical men on a practical question that might be so easily settled in a practical manner by a few fair experiments running through a few years.

A farmer who had been brought up to the business and traveled in a radius of ten miles from the homestead must have noticed whether crops grow better on deep or shallow soil. And if he wants to buy a farm, will he select one with a soil deep or shallow? or which will be the most money for? These are plain questions and acceptable of plain answers.

Now if deep soils are desirable, how are they to be manufactured out of shallow ones? Take a soil three inches deep intended for corn, set your plow four inches, this brings one inch of subsoil to the surface, which will be thoroughly mixed with the other three while the crop is being cultivated; and now you have a soil four inches deep. That one inch having been brought in contact with the atmosphere, under the influence of the sun's rays and disintegrated by the plow and cultivator, the whole becomes a homogeneous mass.

It is well known to many farmers who have tried it, that a light coat of subsoil spread evenly over a field of grass will greatly add to the crop of hay or pasture. Will any sensible farmer after trying this, scrape up this subsoil and cart it off his field? Even a top dressing of clay from the bottom of a well will add to the fertility of the soil, for one crop at least. Let this crop be clover, and see what a gain you have made.

Having converted a three inch, to a four inch soil; when you plow for corn in the next rotation, go one inch deeper and you will have a five inch soil. So on, until you have obtained a ten or twelve inch soil. Now, having a ten or twelve inch soil disintegrated by the process of culture, thoroughly charged with gases absorbed from the atmosphere, warmed by the sun's rays, capable of drinking in and holding the showers of rain, will he wish he had not done it?

Many intelligent farmers are not aware of the great manual power of the atmosphere when absorbed by a disintegrated soil. When they become fully aware of this they will prepare the soil to receive it.—*A. MARSHALL, in American Stock Journal.*

MOUNTAIN FARMING.

The *Amador Ledger* says that Mr. William Ayle, near Jackson, has twenty-three acres of land under cultivation in vines and fruit, and three acres in melons. The annual crop receipts for these twenty-three acres has been for a number of years about \$9,350 a year—equal to \$264 per acre.

A farmer's club is organizing in New York, composed exclusively of people who are sowing their wild oats.

TRAINING A HEIFER TO MILK.

Cows usually become addicted to kicking when heifers, from being milked by abusive milkers. I have never seen an old cow become a kicker unless abused. Instead of cows being averse to being milked when giving a large quantity, I have ever found it the reverse. When pasturage is good, and cows come home at night with udders distended with milk, they seem grateful to have it removed. Milking a heifer for the first time requires patience, for they will almost invariably kick. In such a case, put a broad strap around her body, just in front of the udder, and buckle it up moderately tight, and as soon as she is quiet (for she may dance a little at first,) take your pail, sit down and go to milking, for she is as helpless as a kitten. Do not attempt to use a rope instead of a strap, for it will not answer. This is a much better method than tying the legs, etc., as it does not hurt the animal in the least. A few applications of the strap, with plenty of patience and kindness, will cure the most obstinate case.—*Cor. Rural Home.*

KINDNESS TO COWS.

At a Meeting of the State Board of Agriculture of Massachusetts, at Barre, a prominent citizen, a Dairyman, expressed his views of the value of treating the Dairy Cow with kindness, and said: "I have taken a good deal of pains to test the value of my milk that I have worked into cheese. I have graduated glasses for the purpose; and I found a cow whose uniform percentage of cream was eighteen per cent, reduced to six in twelve hours—not from any change of food, but from a little excitement. You, gentlemen, who make butter, be careful to adopt my advice, and always treat your cow kindly and gently; and never get her excited, because every ounce of excitement will take from her milk one per cent. of cream. I have known a cow abused by a brutal milker, and the per cent. in her cream went down one-half. It is astonishing what an effect excitement has on the percentage of cream on the milk that a cow produces. Whoever abuses his cow knocks out of his milk a large percentage of that cream."

GREAT FARMS IN BUTTE COUNTY.

Butte County contains a number of highly cultivated Farms, lands of superior quality, and embracing from 20,000 to 75,000 acres each, all yielding immense crops annually, among them are Geo. Bidwell's, Judge O. C. Pratt's, the Parrot Farm, with many others. The *Chico Enterprise* in a late number thus speaks of the splendid Farm of Dr. Glenn, in Colusa County as a princely farm:

"J. Baylis of the Glenn farm, Colusa county, gave us this week the following items in relation to this farm: George W. Hong is cultivating 8,000 acres; Gorton, 8,000 acres; Baylis, 8,000 acres; Dr. Glenn, 11,000; other tenants 6,000 acres, making in all, 41,000 acres that will this year be under cultivation on this farm. One hundred eight-mule teams are now at work plowing. The late severe storms have not done much damage to the stock of this section. Pasturage is getting quite good. The river is falling all the time."

SMOKE AND FROST.

A congress of vine growers has been held this autumn in the south of France, whose members, before separating, tried a most interesting experiment. This is a plan to counteract the destructive effects of frost—which, at certain critical periods, is fatal to their crops—by the creation of clouds of warm smoke, which shall hover over the ground. Iron vessels, containing a preparation principally of tar, having been disposed at intervals over the vineyards, were set fire to, and produced thick clouds, which hovered over the land and spread for miles around. An important point on the plan is its cheapness.

50,000 NEWSPAPERS FOR SALE.

A Large collection of Newspapers of all kinds Foreign, Domestic, Agricultural, Scientific and Literary, together with many kinds of Magazines, being the various kinds received during years of Exchange beyond our own wants for binding, and suitable for the making up of "Scrap Books," as the collection of valuable Data of the past Twenty Years, while many of the valuable European and Eastern papers would make files for a Library, or Reading Room for "Farmers' Granges," containing matter of great value to the searcher after knowledge.

ALSO

20,000 Large Newspapers for Packing, being strong quality of paper. These all will be sold in Lots to suit, can be had at the

FARMER OFFICE,
320 Clay Street, up Stairs

1874. OUR 1874.

NEW PREMIUM PICTURE,
"MY BOYHOOD'S HOME,"
Given to each new subscriber to the

NEW FARM AND ORCHARD,

An 8 page, 32 column, Weekly, family paper,

Only \$1 a Year,

Sent six months on trial for Fifty Cents. Money may be sent by mail at our risk.

A. A. BENSEL,
40.12 NEWBURGH, N. Y.

HUTCHINSON, MANN & SMITH.

FIRE--MARINE--LIFE Insurance Agency.

No. 314 California Street,
SAN FRANCISCO, CAL.

Capital Represented Ten Million, \$10,000,000.

Amazon Insurance Company, Cincinnati, Ohio,	\$1,114,000
Atlantic and Pacific Insurance Company, Chicago, Ill.,	250,000
Girard Insurance Company, Philadelphia, Penn.,	655,000
Kansas Insurance Company, Leavenworth, Kansas,	269,000
National Life Insurance Company, of U. S. A., Washington, D. C.,	1,285,000
New Orleans Mutual Insurance Association, New Orleans, La.,	1,478,000
North Missouri Insurance Company, St. Louis, Mo.,	1,235,000
Penn Insurance Company, Philadelphia, Pa.,	285,000
St. Paul, F. & M. Insurance Company, St. Paul, Minn.,	625,000

Perfect Indemnity. Losses Promptly and Equitably Adjusted.

HUTCHINSON, MANN & SMITH,
GENERAL AGENTS.

No. 314 California St. San Francisco, Cal.

HOAG & CO.

General Produce,
COMMISSION MERCHANTS

NO. 200 DAVIS STREET,

San Francisco.

Special Attention given to Wool, Hides, Pelts and Furs.

REFER TO

MERCHANTS' EXCHANGE BANK, San Francisco.
R. M. WILLIAMS & Co., Zurich, Humboldt Bldg.
CUTLER & BRECHER,
BANK OF SONOMA COUNTY, Petaluma.
F. G. WICKHAM & Co's BANK, Petaluma.
BANK OF SAN DIEGO, San Diego.
Cash advanced on Consignments and on Property in Store. 38.13



THE
American Chief

PREMIUM GANG PLOW

BY

DIATTESON & WILLIAMSON.

Three noted Gang Plows have taken the Premiums at the State Fair, and at the District Fairs whenever exhibited, and bore off as many honors as any other Gang Plow made.

The American Chief is the result of years of study and experiment by thorough practical mechanics who are Plow men where by long experience in this work.

This Plow is constructed to meet the wants of our Farmers, quickly adjusted in all its parts, and so easy in its working that the tension of the Plow will move over any change in the surface of the soil without deranging the shares of the Plow.

By the perfect construction of the Plow, its wheels are the governing power, while the plowman may move on in his work in confidence that it may be done quickly and most perfectly. So admirable has it proved by the hundreds that have used it, that it is admitted to be the best Gang Plow yet manufactured.

For Circulars or particulars and for purchase, Address DIATTESON & WILLIAMSON, 40.8 Stockton, Cal.

THOROUGHbred

CATTLE

FOR SALE.

WM. FLEMING, OF BROWN'S VALLEY, NAPA CO., offers for sale One Devon Bull, EARL OF LEICESTER, 2 years old—a superior animal.
One Devon Cow, VICTORIA, now with Calf 4 years old.
Also One Heifer—a fine animal.

The above Cattle have taken the Premiums at the District and State Fairs, and will have full Pedigrees guaranteed. 40.9.2m

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements appear in *ILLUSTRATED NUMBERS* of which we shall scatter *Many Thousands* should send in their favors early, that they may secure good places and due attention, this is the season that advertising pays well.

Established 1853.

Stock for Nurserymen
and Florists.

TERMS CASH:

Cherry Seedlings Mazzard,	\$12.00 per 1000
" Mazzard,	30.00 " 1000
Apple Seedlings,	12.00 " 1000
Pear Seedlings,	15.00 " 1000
Walnut, English, 4 to 6 feet,	5.00 " 100
" California Black, 4 to 6 feet,	5.00 " 100
Spanish Chestnut, 6 to 12 inches,	15.00 " 100
Cork Elm, 4 to 6 feet,	20.00 " 100
" 5 to 8 feet,	20.00 " 100
Blue Gum or Eucalyptus in variety	\$3 to \$10 " 100
Magolia Grandiflora, 3 to 5 inches,	\$ 3.00 " dozen
" " 6 to 12 inches,	6.00 " "
" " 12 to 18 inches,	12.00 " "
Golden Arborvitae, 8 to 12 inches,	5.00 " "
" " 12 to 18 inches,	8.00 " "
Heath Leaved Arborvitae, 12 to 18 inches,	5.00 " "
Crataegus Arborescens, 12 to 18 inches,	2.50 " "
" " 2 to 4 feet,	6.00 " "
Eucymus Septentrionalis,	2.00 " "
" Pulchella,	2.00 " "
" Argentea Marginalis,	3.00 " "
" Japonica,	3.00 " "
" Auris,	3.00 " "
Sweetgum Juniper, 12 to 18 inches,	3.00 " "
Heath Myrtles, (Hardy)	2.50 " "

Will only sell in quantities specified at these prices, if less 10 per cent. added, if more 10 per cent. discount.

FRUIT TREES! FRUIT TREES AND WHERE TO PURCHASE THEM!!

The Santa Clara Valley Agricultural Society has awarded for the Largest Collection of Pears, First Premium to B. S. Fox.

Best Twelve Varieties of Pears, B. S. Fox.
Largest Collection of Apples, B. S. Fox.
Best Twelve Varieties of Apples, B. S. Fox.
Best Collection of Plums, B. S. Fox.
Largest Collection of Nuts, B. S. Fox.
Best Soft Shelled Almond "Langueedoc," B. S. Fox.
Forest Trees, Shade Trees, large and small in quantity.

BERNARD S. FOX,
SAN JOSE.

THOMAS MEHERIN, Agent,
Battery Street, San Francisco. 40.3



A. H. CUMMINGS, M. T. BARNES, J. F. FARNWORTH.

Seeds! Fruit! Produce.

CHOICE FRUIT OF EVERY DESCRIPTION
WHEN IN SEASON.

Full Assortment of Garden and Flower Seeds
always on hand.

Also Vegetables, Honey,
Nuts, Butter, Eggs,
Fish, &c., &c.

Strictest care used in Packing Fruits and Produce for Nevada, Utah, Colorado and the Eastern States.
Orders collected by

A. H. CUMMINGS & CO.,

30, 32, Second and 68 J Street,
SAORAMENTO, CAL.

THOS. A. GAREY'S

Semi-Tropical Nurseries,

SAN PEDRO STREET.

TWO MILES BELOW THE COURT HOUSE.

The Largest Stock of Semi-Tropical and Northern Fruit Trees in Southern California

Grafted Orange Trees a Specialty.

Address, P. O. Box 765,

LOS ANGELES, CAL.

Send for Price List

OIL CAKE MEAL

THE BEST FEED KNOWN
FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL; which we are now manufacturing. We describe of food so greatly promotes the health of animals as Oil Cake Meal, and we urgently request all engaged in the dairy business, raising and fattening stock, or growing, to give it a trial, feeding confident that they will find it of very great value. By those who have used it thoroughly, ONE pound is pronounced to be equal to two pounds of Corn Meal, and in the United States Government Report of the Department of Agriculture for 1863, it stands in the following relation to other feeds as to the percentage of flesh produced from a hundred pounds of feed, viz: Indian Corn Meal, 11 per cent; Barley Meal, 13 per cent; Oil Meal, 18 per cent; Oil Cake Meal, 22 to 100 per cent. For 100 lbs. of Oil Cake Meal, 22 to 100 per cent. For 100 lbs. of other feeds, 11 to 13 per cent. For 100 lbs. of Oil Cake Meal, 22 to 100 per cent. For 100 lbs. of other feeds, 11 to 13 per cent. For 100 lbs. of Oil Cake Meal, 22 to 100 per cent. For 100 lbs. of other feeds, 11 to 13 per cent.

For MILK COWS it is particularly valuable, increasing the quantity of milk and preventing its quality to a great extent than any feed known. A suitable quantity for them at the commencement is one quart in the morning and one quart at night, either alone or mixed with any other feed generally mixed with the mass of bran, clover, roots, or other food of any kind. It improves it to such a degree that the effect being to increase its bulk two or three times. The quantity can be increased gradually, according to the effect produced—ordinarily not exceeding three or four quarts per day.

FOR SHEEP CATTLE it has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy and of a much finer quality than when fattened on any other feed, and no feed known to us so quickly prepares animals for market as Oil Cake Meal.

FOR HORSES a small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best means known for horses subject to colic, Hoarseness or Rheumatism, and greatly increases the cleanliness and smoothness of the skin of the hair.

FOR SHEEP there is no article of food known that produces such fine mutton or so promotes the growth of wool. A small quantity given to chilled Cattle or Sheep will keep them alive and greatly increase their warmth and vitality.

At present price (\$30 per ton) it is the cheapest feed on the market. It is now selling in New York at \$44 per ton, and at \$50 per ton in England, where it has been previously long time to be in every respect the most profitable feed known for stock of all kinds—cattle, sheep, horses, swine, threefold of bran.

The increasing demand for this meal from those on the coast by whom it has been thoroughly tested, has induced us to increase our facilities for its manufacture, and we are now fully prepared to furnish it in quantities as may be desired. For sale by the Grain and Feed Dealers, and at the Marine Store, King Street, near Third. All orders will receive prompt attention. Address—

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET,

Sacramento.

WALTER BROWN & SON

WOOL

Commission Merchant,

26 and 28 Park Place,

21 and 23 Barclay Street,

WALTER BROWN, NEW YORK.

Consignments Solicited, and advances made if required. 1-22-17

THE CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the Century Plant, and supposed to bloom only once in a Hundred Years, is the Agave Americana or American Aloe, and is one of the most conspicuous and most desirable plants for position in a large circle or front of a large building, or in Parks at stated distances, in such places the plant, with Palms, Yuccas, Dracaenas and a few of this character give to fine grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to the value.

We can offer fine large plants of the Agave at from 50 cents to \$1.50 and so securely packed as to go nearly any distance, they can be shipped now or later in the year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to. WARREN & CO.

Valuable Tracts of Land

New Comers to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These Lands are located in different parts of the State—some in each county from San Francisco down to San Diego, all good Lands and can be sold on advantageous terms.

This List comprises about Twenty Thousand Sections.

MAPS, LOCATIONS, &c., AT FARMER OFFICE.

WANTED.

We will give carpenter and women

Business that will Pay

from \$1 to \$3 per day, can be pursued in your own

home, and is strictly honorable. Particulars (free) sent

at once, will be sent on receipt of fifty cents.

Address J. LATHAM & CO.,

40.8 222 Washington Street, Boston, M.

THE CALIFORNIA FARMER, SAN FRANCISCO. THURSDAY EVENING, JAN. 23, 1874.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.
330 Clay Street—Marble Building—Up Stairs.

FARMERS' HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER Office is always open, and an attendant ready to make a visit instructive to those who take an interest in the productions of our State. Samples of all productions—Fruits, Grains, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMERS' READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER Office. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon the shelves for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiousities of Insect to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, are TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half the first. This is believed to be the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also.

and for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

MRS. M. PETERSON & Co., 10 State Street, Box 37 Park Row, New York, and 701 Chestnut Street, Philadelphia, are our Agents for procuring advertisements for THE CALIFORNIA FARMER in the above cities, and authorized to contract for advertising at any lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with Readers and Correspondents, and here we shall direct their attention to such articles in such issues of the FARMER, to which we would direct their special attention.

OUR AGENTS.

We would caution our Subscribers and Patrons not to pay money to any Travelling Agent or stranger purporting to act for us, unless they can show WRITTEN AUTHORITY FROM US.

The Home Columns.—A capital Story of What Women can do, will be found on the 118th page with select lessons in the Poets Column also.

The Eucalyptus.—A valuable history of this noted tree—its characteristics, and many specific qualities, are worthy of special note.

Our European Letter.—The Letter this week will furnish to the reader a series of valuable information.

Gov. Leland Stanford's Letter.—We publish this week Gov. Stanford's Letter, and ask a careful and considerate reading of it.

BEAUTIFUL CHROMOS RECEIVED.

We have been receiving a collection of beautiful Chromos from various sources which tells how rapidly is the improvement in the Art of Chromo painting as now progressing.

We have the following:

FLORAL CROSS.

From "James Pick Esq.," their new and beautiful "Floral Cross," comprising a collection of the richest and choicest flowers in floral domains, the design is most superb, and the finished Chromo, one of the finest we have seen.

REPTILES' CHROMOS.

We have these two superb pieces, admitted to be the finest specimens of art yet produced.

We have from the American Agriculturist their choice Chromos sent to their New Subscribers, the "Mischief Fawing" and the "Strawberry Girl," both really beautiful Chromos.

We have a collection of several very choice Chromos sent on by Messrs. Strobbridge & Co., Chromo Publishers, of Cincinnati, Ohio, these are exceedingly fine Chromos, with fine lines—copies received of Flowers and of Fruits, very superb.

HARPER'S WORKS.

We must again allude to the Publications of Messrs. Harper Bros., the Monthly, Weekly and Semi-weekly, these three Works form a series that for a Family, are indeed a Library in these three Works, no family should be without them, and we believe we are serving the public by urging their attention to these valuable Works.

BOUND VOLUMES OF FARMER

We are now prepared to offer the BACK VOLUMES of the CALIFORNIA FARMER to all the desire to secure the only record of the Rise and Progress of Agriculture on this Coast.

Our Public Institutions both at Home and Abroad, and large Private Libraries, will find in these Volumes matter appertaining to the great interests of our State, which cannot be found in any other work on this Coast.

We can furnish back Volumes in sheets or bound, having reserved some copies for the special purpose of Libraries, etc.]

Apply at this office.

WATKINS & Co.

GREAT AND GOOD MEN.

"The Deeds of Good Men live after them."

The Noble Benefactions of GEORGE PEABODY to our Country on the ATLANTIC SIDE, and his Magnificent liberality to the City of London, has placed his name high on the "Roll of Fame," in characters of living light. He indeed has immortalized himself while living, and erected a Monument for himself by his Glorious Deeds, for the cause of Education and Benevolence that shall stand long after the Granite or Marble Cenotaphs of the world's Rich and Titled ones, shall have crumbled in dust.

THE "PEABODY" OF THE PACIFIC.

It is one of the established facts in History that Divine Providence always provides the Right Men for all great events, and in all trying times, in every nation, and History points them out clearly when the smoke and clamor of the Battle has past and the Victory won.

England has had many truly Great Men for all the great events of that Nation.

France had her Lafayette, and her Napoleon, America had her Washington, and her Lincoln. Now for Human Progress. We have pointed out George Peabody for the ATLANTIC SIDE; we can point to JAMES LICK as the compeer of "Peabody" for our PACIFIC SIDE, and most happily as well as justly to rank Peabody and Lick as for the cause of Benevolence and Human Progress, as we would rank Washington and Lafayette in their Glorious Work for Liberty and Freedom.

The recent Magnificent Gifts of James Lick to the Pioneers, and the Academy of Sciences, and also for the Observatory, are indeed the proof of great wisdom as well as great Nobleness, they are as is now seen, but the precursor of a still more extended plan of good that shall reach and benefit every portion of our Community, from the highest to the most humble, plans as wide extended as his wealth, and as complete as is his Grand and Benevolent design.

In addition to the great plans named, we learn that Mr. Lick intends to establish an Institute of Technology for this City, complete in all its departments, then, a School of art and design for this City, and for Sacramento also, and with these, that he may still do more and greater good, he designs to build Asylums for the Aged, Homes for the Orphans, and Retreats for indigent, unfortunate Women, and yet he would do more, he proposes to erect Drinking Fountains for our City. Free Baths for all, and still labor on for the good of his adopted State.

We anticipate soon to know that our "Mechanics' Institute" and "Art Association" will receive a recognition, from him which will complete the leading Institutes of the Coast.

Surely we are right when we say we have in the Noble examples and wide extended plans for Human Progress of James Lick, we have

A PEABODY FOR THE PACIFIC.

We feel confident that this Noble Benefactor for our State is now enjoying a great degree of Happiness in these plans of bestowal for the good of others, than in all his past life of accumulation, save the thought, as we believe, that this has always been his great aim, and the object of his accumulation, fortunate has it been for our City and our State that he has thus been prospered, may his life be spared to accomplish all his great work, and see all these Institutions rise in all their architectural grandeur, and to his own satisfaction, then his heart work will be finished and he will depart in peace and joy, honored by all for his Good Deeds.

TEXTILE MATERIALS.

Why is it that with a soil and climate so favorable for the successful growth of Hemp, Flax, and Jute, our State is compelled to import so largely these materials that could be raised here with very great profit?

Not only do we import cargoes of Hemp and Flax to keep our Rope Walks and our Twine Factories in operation, but cargoes of Flax Seed also for our Oil Mills.

We import also largely of Jute for our Grain Bag Factories. Here surely is a great error, and on that our Granges must correct, for they as Farmers interested in this matter of Bags specially could in their combined capacity, could set apart a tract of land of 1000, or 5000 acres, and raise the Jute, and thus make a move to lessen the cost of Bags. They could also test all these Textile materials by their united influence, and make these all important articles a specialty, thus doing a great good for themselves and a grand benefit to our State.

The Granges have it in their power by their efforts to test more extensively the culture of Cotton, Rice, Sugar Cane, each and all these products are surely to become as long great staple products of our State.

The Granges could also make successful efforts in the culture of Tea and Coffee, these also are to be largely grown in California in coming years. There are other things yet in store for progressive labor, but these first named as textiles, and are all important, and it is such subjects and labors that should be the subjects of discussion and action in our Granges, and great good must necessarily follow from them.

PLOUGHING AND PLANTING.

The work of Plowing and Planting has been perhaps seriously retarded in all low lands, and our Farmers are getting impatient now, they must feel however that their work can be continued later this Season, by reason of these rains that will fill the earth and keep it moist all the Season.

The Napa Gang Plow will be found to be a most excellent implement when the sun shines, and the earth is ready to work. This famous Plow sold by Lintfort, Kellogg & Co., has proven one of the best Plows yet handled by our Farmers.

As plowing will be continued all through February and later, the Napa Gang Plow should be remembered.

SHADE AND ORNAMENTAL TREES.

The Season of Tree Planting has come, yet we would not counsel the planting trees, or the lifting them during the present wet, cold and frosty weather. One snap of Jack-frost's teeth upon the tender, fibrous roots would seriously injure them, besides they will not grow any while the earth is so cold, a brief delay then is better, until the surface moisture has subsided, and "Old Sol's" warm rays shall have made a warm bed for tender roots.

The class of Shade Trees that shall be planted is all important now, there are three things to be considered in the selection of Shade Trees—size, four things.

1st. Ornament and Comeliness, beauty of form and foliage.

2nd. Protection against high winds and boring beet.

3rd. The climatic character of the trees, their power to attract moisture and thus benefit the surroundings, and

4th. The pecuniary profit arising from the Fruit they produce, the Seed they yield, or their value as it regards their Hygienic qualities, and their value otherwise.

There are now fortunately in the Nurseries of our State a collection of almost all the most beautiful and most desirable Shade and Ornamental Trees known, a few fancy Weeping Ornamentals, have not yet been introduced to any great extent.

The class of Shade and Ornamental Trees which should be selected by the planter, must depend entirely upon the location, soil, and place they are to occupy. Varying of course, in every case upon where they are to stand, whether in a small lot in front of a dwelling, or on the street, or upon a large lawn or small, or upon an extended Park.

It can often be noticed how great the mistakes made by those who are ignorant of the nature and character of Trees, Plants and Shrubs, in planting the same. Small trees or shrubs in the centre of a piece, and large growers out on the border—large forest trees that tower up 30 to 50 feet in a foot yard 25 feet wide, the Poor Upright grounds is a sample of gross Ignorance of Landscape Gardening and the knowledge of Trees, and a proof of how easy thousands of dollars were wasted.

The size and location of the place, as we before stated, should guide in the selection of all trees planted for Ornament and Shade, and these can always be made specially appropriate, if the subject is rightly considered.

The Shade trees in front of a dwelling, if not too much exposed to depredation, may be Cherry, Mulberry, English Walnut, Butternut, interspersed with the Olive, Magnolia, Honey Locust, Cork Bark Elm, and the Eucalyptus of fine sorts, with such a class can be had Flowering and Fruiting trees of varying foliage, these too could have added a few Evergreen Fir Trees, thus making a combination of beauty and value.

For extended grounds on the street or highway, the Eucalyptus, the Locust, the Maple, the Elm, and the Buckeye, and for inside extended lines of trees, the Eucalyptus, Locust, Cork Bark Elm, by planting eight feet apart, will in five to six years give back the whole cost of planting in the valuable timber which every other tree will yield, which may then be removed, leaving the line perfect.

All the trees we have named in the above paragraph, could be planted in hundred acre lots, 8 feet apart, which would prove a much better investment, giving a greater return as Timber Trees than any Gold or Silver Mine, (save two or three paying ones) in our State.

GOOD YEAR FOR ORCHARDS.

The abundant rains of the present season, of last month and this month, with the prospect of still more this month, gives assurance that the Orchards and Vineyards have been plentifully supplied at the roots, and thus give them an unusual vigor, with moisture to sustain them in maturing a very abundant crop.

Now is the time to give to our Fruit trees and Vineyards a careful and judicious pruning, let no one fear to prune thoroughly, to shorten in well, but in orchard trees never cut away the Fruit Spurs from the body of the trees, these bear the largest and the best fruit—shorten the long branches well and thus throw the fruit sap to the body of the tree, where the fruiting branches and spurs are found.

There has been some discussion relative to the quality of Fruit, especially the Grape, the contrast in the richness of the flavor between a wet and a dry year. It is a well established fact, that the grape loves a warm and dry soil, that grapes do not do well, or produce rich juicy fruit, when the roots stand in a continuous wet, cold, damp soil, that a light, gravelly material, or decomposed rocks of various kinds produce Grapes rich in saccharine material, and therefore better than grapes grown in low wet lands.

As with Grapes, so with various kinds of Orch and Fruits, many kinds prefer a light porous limy warm soil, but others like a deep rich heavy loam.

Great care should always be given to Orchards and Vineyards, that they be well drained, standing water upon the surface soil is always injurious, land well drained is in better condition for a wet or a dry season, to land undrained, and the present long wet Season should prompt all who have Orchards and Vineyards to give special attention, for however great the Blessing the rain has been—it is our duty to make the best use of it we can.

THE SUNSHINE A BLESSING.

The bright sun shines to-day, and all hail its warm and cheering rays, there has been so long continued rain, and so much cold weather, that this sun burst comes with a double welcome.

What a cheerless world this would be, without Sunshine! not only to the natural earth but also here among humans, there are always too many cloudy faces and too little sunshine, this indicates storm within, pray for Sunshine.

GEN. JOHN A. SUTTER.

In our last issue we spoke of Gen. John A. Sutter and his claims before our present Legislature as one truly worthy the attention of the Representatives of our State, and a claim of such a character as to offer of any similarity to it could possibly be offered.

We notice with regret that there seems an opposition to this truly just claim on the grounds that there were others who in early days may have aided early settlers, but there can be no parallel case, as Gen. Sutter was alone here the early Pioneer, and the only one to receive and counsel, and provide for them as he did at Sutter's Fort and elsewhere, with unbounded liberality, as thousands have testified.

We deeply regret to notice that most unkind and unjust reflections were made, which seem the more unjust now, as Gen. Sutter is so advanced in years that the small bounty heretofore allowed will be required but a brief time.

We are glad to know that there are many Legislators, with large hearts that fully appreciate the case, we trust that while the Portrait of Gen. Sutter purchased by the State as a fit emblem of its early History, shall hang in that Hall, this small testimony of the State's appreciation will not be withdrawn.

We have placed on our Front Page the well known Land Mark of early days, when the "Gold Seekers" were flocking to our shores by thousands, and who on their landing at Sacramento would always desire to make their first call at Sutter's Fort, and there to greet the "Hero of Sutter's Mine," and the owner of the first "Gold Lands."

Let early Pioneers look on this picture, and live over again their early days.

A. P. SMITH, OF SACRAMENTO.

The many friends of this well known and truly esteemed Horticulturist, of Sacramento, will rejoice to hear that he has past the crisis of a long and dangerous illness by Typhoid fever, and that he is now slowly but steadily recovering.

We give this notice knowing that his many and warm friends all over this State will hail this as good news, for we cannot spare such men. Mr. Smith has a host of friends which duly appreciate the great good he has done for Agriculture and Horticulture since the early days of '49.

OUR LEGISLATURE.

Our Law makers seem to be in good earnest in their work of remodelling old laws, and making new ones, they seem earnest to improve all, and there is much to do, their work of investigating into the many abuses in all departments of State will undoubtedly be thoroughly and fairly conducted, and however painful and sad it is to see how many leaks there has been to the public purse, and how many of our Institutions have been badly and loosely managed, it is better this work be well done now, the leaks all stopped, and the ship saved.

THE STOCK NEEDS CARE.

The long storms we have had and the severe cold that now prevails everywhere, should prompt our Stock Men to give special care to all their Stock, Cattle of all kinds, Dairy Cows especially, as well as Horses, Sheep and particularly Young Calves and Lambs feel this very cold snap severely, and unless good care is bestowed, the loss will be severe.

Stock must be well sheltered and well fed, plenty of food adds the heat to the animal, those who have Stock they intend for the Butcher, will find that unless they are well fed and sheltered from the cold, they will steadily lose in weight—therefore if proper care cannot be given, better sell such stock at once, and save all further expense as such Stock will weigh less and less.

ANOTHER CHANGE OF WEATHER.

As many persons look to the changes of the Moon as a period that affects the weather, and have been looking for a clear, warm and pleasant spell after the change of this week, will be much disappointed, if the old signs hold good, for the Moon with her Crescent is bowl up, signifying she is full of water, and thus this Moon will be a wet one—we shall see—it is now clear and cold enough, and Coats, Gloves by day, and Blankets by night are very comfortable things, especially as we look to hills around us and see their snowy mantles, and then see the frost and ice in our streets, we think it has been the coldest and most uncomfortable winter we have had in this City, since the State has been settled.

LOOK TO THE GARDEN WORK.

While we say, never touch the soil while it is wet, there is much that can be done now, when the sun shines above, prune and shape the Roses and Garden Shrubs, stake tall Plants, save all wood ashes and put them around roses and over the surface of the soil to be spaded in in good weather.

Lime over the surface is good, it helps remove or kill bugs and worms and tends to warm the soil.

Lime water is excellent for House Plants in pots, to kill bugs and worms—care is needed now.

SEED TIME NOW WITH US.

We remind all our readers, those who are purchasers of Field and Garden Seeds, also Grass Seeds of all kinds, that Messrs. J. P. Sweeney & Co., on Davis street, present their compliments to them and invite them to call at their Seed Warehouse, where they have a large and complete assortment, both at Wholesale and Retail, worthy their special notice.

Messrs. Sweeney & Co., have the largest Stock in this City, and purchasers should call and see them.

The first nautical person alluded to in the Scriptures is said to be Eve, because she was the first mate.

A GOOD WORK BEGUN.

It will be remembered that during the past year there has been very loud complaints made of great frauds and wrongs that were perpetrated at the Races in various places, at Sacramento, Stockton, San Jose, and here at the Great Four Mile Race. It has become notorious, that Pool Selling and Gambling with the Liquor selling attendance on all such scenes are a shame and a disgrace to our State, and more especially as connected with our agricultural fairs, we have always battled against them as highly injurious and always retarding the true interest of our Exhibitions.

We are truly glad to know the right feeling is being awakened on this subject, we trust it will not be long before Pool Selling, Racing, Betting and Liquor selling will be utterly forbidden at all our fairs, then we shall see an interest awakened such as we have never seen before.

We here give the action of the Officers of the Santa Clara Valley, Agricultural Society on this matter, they are the BANNER COUNTY FOR THIS YEAR, all Honor to them.

The following is the action of that Society:

THE SALE OF LIQUOR AND POOLS AT THE FAIR.
At the annual meeting of the Santa Clara Valley Agricultural Society, held last week, the following resolutions were offered by Dr. Saxe, of Santa Clara:

Resolved by the President and members of the Santa Clara Valley Agricultural Society, That the public sale of intoxicating liquors on the public grounds of the aforesaid society, be heretofore prohibited if within the jurisdiction of said society.

Resolved by the President and members of the Santa Clara Valley Agricultural Society. That the public sale of pools and other demonstrations of ordinary public gambling on the grounds of the society are a reproach and a disgrace to the moral sentiments of the population of the Santa Clara Valley, and that hereafter it be prohibited on any premises within the jurisdiction of this society.

The sentiment of the meeting was favorable to the first resolution, but it conflicted with the terms of the lease of the grounds to Mr. Saxe, and could not be passed. The second resolution, however was passed by a large vote.

APPLE BORER AND CURRANT WORMS.

The Apple borer has done some injury to our Orchards, and this evil seems to be increasing, a good remedy at the East is found in placing E. Weed or kelp around the trees, taken fresh from the sea, it has done great good where it has been tried.

THE CURRANT WORM.

This serious drawback to the culture of this delicious fruit has now a way of relief, covering the surface with slacked lime, has been found to be an effectual removal of these worms from the soil, let our cultivators try this remedy.

SPLENDID FURNITURE.

The California Furniture Manufacturing Company 220 to 226 Bush street, are now doing Splendid Furniture of New and Elegant design, at very low rates, every person desirous of purchasing on the most reasonable terms should call and examine the large stock offered at this Warehouse.

CORN IN CALIFORNIA.

It is one of the greatest errors possible to suppose that Corn will not do well or produce well in California, we are fully satisfied that with due care and attention to the culture of it, it will become in future years one of our Great Staple Productions and be a large income to our State for in former years it has been only experimented on in a small scale, and without faith or due care for its success.

Those who desire to experiment with it can have the best kinds, now and wonderful in quality and production, by calling at the Office of the CALIFORNIA FARMER, by making their wishes plain known, the soil and location, the best seed will be selected and presented free to each cultivator.

NEW ZEALAND FLAX SEED.

The New Zealand Flax can be grown with great advantage and profit in California, and becomes an article of large export to Europe. Thousands of tons are annually exported to Europe from New Zealand, realizing from £15 to £40, and even £50 per ton.

The New Zealand Flax will grow upon high or low land, wet or dry, good land or poor land, and like Canada Thistle, once in is hard to get out, covering the surface in a little time closely, and yielding a large return.

Those who desire to know how New Zealand Flax grows and how it looks, can see two large plants at Postoffice Grounds. The long broad leaves are green, each plant yielding heavily. Seed for Sale at Farmer Office.

A VINEYARD—A BARGAIN.

We invite special attention to the Vineyard Advertised in our Columns, it can be had at a very Great Bargain—one rarely met with. Vineyard that will clear itself in three years.

REGISTERED LETTERS.

The price of Registered Letters which has hitherto been fifteen cents each to any part of the United States, has been reduced to eight cents each commencing this day—a wise move on the part of our Government.

A heart full of grace is better than a heart full of notions.

New Advertisements.



MAGNIFICENT
FURNITURE.

THE LARGEST

—AND—

Most Complete
STOCK
In the World!

—AND THE—

Superior Quality

—OF—

OUR GOODS

—IS—

Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY
are being constantly introduced,
in addition to our

Immense Assortment

OF PLAIN AND COMMON FURNITURE, that cannot

be equaled.

NEW ARTICLES of our own manufacture, warrant-

ed to stand any climate.

San Francisco made goods sold at Factory Prices, but

NOT GUARANTEED.

Elegant, Ornamental and Useful

Articles,

FOR THE

HOLIDAYS

NOW BEING

RECEIVED DAILY,

ALL OF WHICH

We Propose to Sell at

Extremely Low Prices.

CALIFORNIA

Furniture Manufacturing

Company,

220 to 226 Bush street.

40.11

50,000

EUCALYPTUS

TREES.

—OF—

NEW STYLE

WATER PIPE.

—OF—

WOOD PIPE FOR

CONDUCTING WATER

This Pipe is made of all sizes, from ONE to TWELVE

INCHES BORE, and suitable for conducting Gas, or Wa-

ter, will bear as heavy a pressure as Iron Pipe, and will

endure an equal length of time, and at much less cost.

This Pipe will be found valuable upon large "Stock

Ranches," and in Orchards and Vineyards.

Descriptive Catalogues, with the List of Prices can be had

on application to

H. F. WILLIAMS,

381 Montgomery Street,

SAN FRANCISCO.

40.7

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

not received in quantities. Every Sheep-raiser in the

State should have a copy.

Price at the Farmer Office, \$2.40; by Mail or Ex

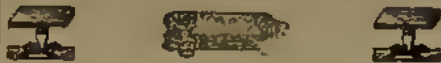
press, charges paid, \$2.50. Send orders to the Farmer

WARREN & CO.

FARMER OFFICE.

40.12

New Advertisements.



CARPETS,

OIL CLOTHS,

FINE FURNITURE,

AND

Upholstery Goods,

New Importations.

The Finest and Largest and Cheapest assortment of Goods

In our line ever offered in this market.

ALL STYLES OF CURTAINS AND CURTAIN

MATERIAL

FURNITURE ALL STYLES AND PRICES,

Carpets from the lowest to the highest Grade in

New Styles

FURNITURE IN NEW AND UNIQUE DESIGNS.

An examination of all Goods and Prices respect-

fully solicited.

PLUM, BELL & CO.,

22, 24, 26, and 28 POST STREET,

SAN FRANCISCO.

40.12



HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS,

313 CALIFORNIA STREET,

SAN FRANCISCO, CAL.

40.1

NEW STYLE

—OF—

WATER PIPE.

New Invention!

WOOD PIPE FOR

CONDUCTING WATER

This Pipe is made of all sizes, from ONE to TWELVE

INCHES BORE, and suitable for conducting Gas, or Wa-

ter, will bear as heavy a pressure as Iron Pipe, and will

endure an equal length of time, and at much less cost.

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Price at the Farmer Office, \$2.40; by Mail or Ex

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WARREN & CO.

FARMER OFFICE.

The Napa 3-Wheeled Iron Gang-Plow.

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the superintendence of

D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by

its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.

SECOND. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and low-

ering, without any exertion on the part of the driver.

THIRD. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three.

FOURTH. THE LINE OF DRAFT. It is a center-draft plow. An adjustable clavier connects directly

with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts

itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.

FIFTH. EASE IN TURNING; by means of the rear wheel the plow can be turned with ease in its

own length, making a great saving in time in the course of a day's work.

SIXTH. IT IS EASY ON THE HORSES' NECKS. By resting the driver's seat on the rear end of the

pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.

The following testimonials show what farmers think of it:

"We, the following farmers, were present at a recent trial of this plow and found two mules to do

excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.)

Jessie Grigby, Benj. McCombs, A. Y. Clark, W. H. Gibbs, J. J. Ragsdale, E. D. Sawyer, D. C. Waller, M.

Reaves, and others." Messrs. Nathan Combs, J. D. Blanchard, Van Pelt and others, also testify to its

merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

NO. 3 & 5 FRONT STREET, SAN FRANCISCO.

SEED WHEAT.

I now offer to farmers of the State a quantity of that un-

equalled new variety of wheat known as the

"Pride of Butte,"

IN LOTS TO SUIT.

Price, Five Cents per Pound

In Lots of less than a Ton. For one Ton and upwards Four

Cents delivered on board the Cars at Nord.

Orders addressed to Geo. F. Woert, Chico, or Wm. Van

Woert, Nord, will receive prompt attention.

The peculiarities that recommend the "PRIDE OF

BUTTE" to Wheat Raisers are its great prolificness, small

amount of Seed required, short, stout straw adapting it to

rich lands and summer-fallow. For quality and quantity of

Flour it exceeds all other varieties.

Samples were exhibited at the State Fair and won the Prize.

The Four made from it also won the Premium.

WM. VAN WOERT,

Nord, Butte County, Cal.

40.9

MECHANICS' INSTITUTE.

27 POST STREET.

Course of Fifteen Lectures on Popular

Science.

PROFESSORS IN THE STATE UNIVERSITY, com-

mencing Saturday Evening, January 3d, 1874. Tickets

for the Course Two Dollars. The number of tickets being

limited, application should be made at once to the Librarian's

desk, Mechanics' Institute.

40.15

WAX FLOWERS

AND

WAX FOLIAGE.

THE NEW METHOD OF MAKING

WAX FLOWERS AND FRUITS,

AND ALSO

the Preparation of the Foliage and Flowers and

Plants of every kind as now taught by

Madame Herman, of New York.

ANY LADY OR CHILD

over eight years of age, can now learn Madame Herman's new

method of making Wax Flowers for only \$2.50 by purchas-

ing her new book of Instruction and an entire set of moulds

Or her book of Instructions in the beautiful art of making

Foliage, which is a perfect representation of the natural

leaf and made without moulds or rollers. Price only \$3.00.

These books can be had from the author MADAME HER-

MAN, No. 113 West 41st Street, New York, or can be had

at the OFFICE OF CALIFORNIA FARMER.

40.12

Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant

ALFALFA can have Samples of the different

grades sent to them with prices of each, and

full direction for

SOIL, CULTURE,

TIME OF PLANTING

CURING, &c., &c.

with valuable data, by sending to the

Farmer Office,

320 Clay St.,

SAN FRANCISCO.

40.12

POTATO PLANTER.

The Potato Planter—a Great Labor Saving

Machine—by which a Man, Horse and Boy can

do the work of

Twelve Men.

The Machine CUTS, PLANTS, and COVERS,

and does the work admirably, leaving a nice

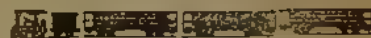
finished field.

For Sale at the

Farmer Office

40.12

C. P. R. R.



COMMENCING

FEBRUARY, 1873.

And until further notice, Trains and Boats will

LEAVE SAN FRANCISCO

7:00 A. M. (Daily) Atlantic Express Train (via Oakland)

for Sacramento, Marysville, Redwood and Portland,

O., Colfax, Reno, Ogden and Omaha.

7:30 A. M. (Daily) Cal. P. R. R. Steamer (from Broadway

Wharf), Connecting at Vallejo with Trains for Cal-

ifornia, Knight's Landing and Sacramento; making close con-

nections at Napa with Stages for Sonoma.

12:00 M., Sundays excepted, Stockton Steamer (from

Broadway wharf) touching at Vallejo, Benecia and

Landings on the San Joaquin River.

3:00 P. M., Daily, San Jose Passenger Train, via Oak-

land, stopping at all Way Stations.

4:00 P. M., Sundays excepted, Passenger Train (via Oak-

land) for Lathrop, Merced, Visalia, Tipton and Los

Angeles, Stockton and Sacramento.

4:00 P. M., Sundays excepted, Cal. P. R. R. Steamer (from

Broadway Wharf), Connecting at Vallejo with Trains for Cal-

ifornia, Knight's Landing and Sacramento.

4:00 P. M., Sundays excepted, Sacramento Steamer (from

Broadway Wharf) touching at Benecia and Landings

on the Sacramento River.

6:30 P. M., Sundays excepted, Overland Emigrant Train,

via Oakland—Through Freight and Accommodation

trains.

OAKLAND BRANCH—LEAVE SAN FRANCISCO, 7:00,

8:00, 9:00, 10:00 and 11:00 A. M., 1:00, 3:00, 4:00,

5:00, 6:00, 7:00, 8:00, 9:00, 10:00, 11:00, 12:00 and 1:00

P. M. (Sundays excepted).

LEAVE SACRAMENTO (from San Francisco), 5:30, 6:40, 7:50,

9:00 and 11:00 A. M., 1:00, 2:40, 4:00, 5:00, 6:00, 7:00 and

10:00 P. M.



Home Miscellany.

TRIFLES.

There's a story told,
By whose name told,
How a heart was once by young Love broken;
But when the first
He'd in a repit,
This kind advice, by Venus spoken,
Withheld the careless archer's blow:
"Softly, my boy! for well you know
Your touch upon the lady's cheek—
Time must efface it with his wings."

"Hearts were not made"
(So Venus said)
"For such as you to trample o'er."
Just lightly play,
Then steal away
And leave them lovely as before!"
"Mother," he sighed, "the vale; for see,
However light my touch may be,
The lines that once my fingers trace
Time never, never can efface!"

—MARY E. BACON, in Harper's Magazine for January.

"CIRCUMSTANCE."

Men may preach and prate of chaste,
Throwing on to circumstances
All their trials and sufferance;
But never fear—
Where there's will there's a way,
If men want to do, they may;
Labor calls them every day
Far and near!

Lucy's name for honest thrift—
But the life, as they drift
Down life's tide, call it a "glut"—
"Circumstance."
And they lie with folded hands,
Waiting for bright promise lands
To arise at their command—
Or by "chance!"

When their fruitless watchings o'er,
Like dead weeds they float to shore,
Where the murmur evermore
Is their "fate."
Moaning from their agonized form,
Crying out upon brave men,
Who such base fires dare condone—
Folly and!

Ah, we pass for what we're worth,
Living here upon this earth,
Be we high or low in birth,
False or true,
And when we receive the name
Which our fellows loud proclaim,
Be it full of praise or blame,
It is due!

As through life's great sea we go,
Only what we plant will grow,
We shall "reap" or "sow,"
We are told,
If we then our seed estate
Sow to richly cultivate,
It will each one one compensate
Doubtless!

—GEO. W. FERRY, in Ferry's Weekly Press.

FABLE IN RHYME.

The Lark and Her Young Ones.—Æop.
(A Song for Idle Farm Hands)

A lark her songless young had hid
Within a field of ripening wheat;
But fearing that, when she was gone,
The owner of the field would come
To reap, and garner in the grain,
And thus her progeny be slain,
She told her brood to fly with care
To every word that they might hear
The master of the grain-field say,
Wherever she might be away.

One day the farmer, near the nest,
Said to his son: "I think 'tis best
To reap the grain—'twill call our neighbors
To-morrow, to assist our labors."
The young ones, on the lark's return,
Told her what they had heard that morn,
And begged her to come down to go;
"No need of haste," she said, "I know
It be depends on sister's aid
The harvest will not soon be made."

Next day the farmer came again,
But neither friend nor neighbor came
To help him reap the ripened grain,
The sun grew hot, but no help was done,
Then said the farmer to his son:
"We can't depend on friends and neighbors
To help us reap the harvest grain,
Go, ask assistance of our kin;
To-morrow morning we'll begin."

In great alarm the frightened birds
Told the lark the farmer's words;
"It be all," the mother said,
"We run no risk of danger yet,
For all his relatives, it is known,
Have harvested labor of their own;
But when the men again appear
Mark well, and tell me all you hear."

The lark once more had gone abroad,
When next his field the farmer sought,
The ripe wheat heads, golden crown'd,
Their treasures scatter'd on the ground,
And finding still no labor done,
The farmer said unto his son:
"This thing I can no more endure,
Nor wait for help—go, and procure
To-morrow evening, when the moon
Is in the sky, and the stars are seen,
To-morrow we will reap the grain!"

When the old lark heard, she said:
"Ah, now 'tis time to move, indeed;
For when a man counts on his friends,
But to his own he himself attends,
Be sure he promptly speaks through
Whichever his hands have found to do."

—BY CHARLES W. HUNTER, in The Georgia Grange.

WHAT CAN WOMEN DO.

BY MRS. A. M. FREEMAN.

Solomon Brown had five daughters. The oldest of these was twenty-six, the youngest seventeen. In some of the best countries it is considered a misfortune when a girl is born. Solomon Brown's mind may have been colored with this bias—though he owned a paw in the church and contributed conscientiously to the donations—for he shook his head in solemn disapproval as his family increased, declaring that girls were, and had been since the world began, a failure.

Dear little Mrs. Brown emphatically declared her skepticism as to this broad assertion, saying with some spirit, "that the girls could not be disposed with, and as the great Father had seen fit to create them, it must have been with the consciousness that they might be pronounced good. Of course they were good." She would just ask Mr. Brown, what there was, that might be said truthfully, in disparagement of their own children?

"If they were boys, Lucy," says Brown, looking up a dry good's bill, "they would be self-supporting. If, for instance, Matilda had been named Solomon—and, you know, that name has fallen to the eldest in our family for generations—she, or he rather, might have learned a trade, and would now be able, not only to care for himself, but to render needful assistance to the family. Jam sure, I never blamed Betsey Trotwood, though I didn't understand her, that she couldn't forgive David for not being a girl. I have never forgiven one of my girls that they disappointed me."

"Dear me, Solomon, I'm sure the girls are doing the best they can. Matilda is a very good dress maker—"

"Bosh!" cries Solomon, impatiently, "the country is ever run with dress makers. I tell you all this feathers, loss and flummery is ruling us—that is the people. Don't you understand every additional girl is an additional burden to some one? How much do you suppose, Lucy, I paid out for ribbons last year? Only one hundred dollars?"

"But, my husband, there were five of the girls you know, not counting myself, and that makes twenty dollars only, for each. I am sure that isn't extravagant at all. There's deacon Smart's Sallie paid that much for one Roman robe. Our girls are very handy about turning their things, and fixing them up as good as new. There were only twenty-four yards in the dears' dresses this spring—that is in the dress of each—while Mrs. Million used thirty-five, and I must say that our girls' were much the prettier."

"And would have been prettier still if they'd been made out of eight," growled Solomon, desperately fooling up the accounts again.

Figures are obstinate facts. Solomon, in facing the sum total of united columns, became an obstinate man.

"I tell you, Lucy, we can't go on in this way, that's certain. Something must be done. Why don't they get married?"

But that was a useless question, for this was a New England State, and there were several thousand more women than men, and as one man was allowed only one wife, it was quite impossible that all could be provided with a husband.

"Dear me, Solomon," said the little wife, smiling humorously. "You forgot that this last Umb—that there is actually no one to whom we may seal the darlings; that you, yourself, would quite disapprove of their going husband-hunting."

Now, while Solomon had been talking thus complacently and confidently to his wife, his five unappreciated daughters had been listening from the next room.

"The old bear," cried Matilda, the oldest, under her breath.

"Poor papa," said Lucy, the youngest, her blue eyes full of tears.

"Poor papa, indeed," snapped out the second sister. "I do believe he begrudges us the bird's allowance which we eat."

"Bird's allowance! Josephine, I'm sure there isn't a heartier family of girls in this country than ours—No Canary's portion would do for me—of that I'm sure! I do think it a shame, that five great girls, able to work as we are, should depend upon one little, old broken down man for their support. Come now, 'Tilda, isn't it ridiculous? Don't you think that we might do something?"

"I'm sure," Matilda said, "that I've been trying just the best that I know how. You know I bought the machine, and then—then—"

"Well," Lucy said, laughing, "poor papa had to make the payments on it."

"I'm sure I couldn't help that, because I had expected to get plenty of sewing to do, and sewing you see—"

"In a drug in the market. No 'Tilda, and Josephine, and Sarah, and Flora, all of those pretty, traditional ways of a woman turning an honest penny are out of date. I've been thinking this over, and I've made up my mind. Come girls will you stand by me? Have you the courage to lay aside your dainty slippers, to encase your feet in heavy shoes, to let the sun kiss brown freckles on your face, in fact—to wear a bloomer?"

"A bloomer," the four cried together.

"Yes, my dears, for of course the work, that I have laid out for us to do, couldn't be done in trains. I have been thinking that we had better take Jacob Sloan's farm for a year," and Miss Lucy, as she spoke, opened her pocket knife and commenced whittling a bit of stick in true Yankee style.

"Jacob Sloan's farm!" they cried aghast.

"Yes, dears, I was over talking to Jacob yesterday, and he's quite delighted that we should have thought of making the experiment. He is sure, he says, that it will be a success. Only think girls, how nice it would be, if we could help the old father now, after all of the trouble he has had with us! And what a triumph, too, if we could prove to him, that girls are a blessing, at

least; if not exactly that, still worth being born. What say you? Will you put your name to the contract? Come now, don't be cowardly, nor try to find excuses for shirking a duty. Jacob never had five more able-bodied people than we are."

"But what will the world say? And then, dear Lucy, you have had an offer you know. Will Frank Lawler be satisfied that his future wife should engage in an unladylike occupation?"

"If he is dissatisfied that a woman should do what she may do well, I'm very glad to have an opportunity of learning it before I'm Mrs. Frank Lawler, instead of Lucy Brown. If I have girls, you may rest assured that they shall be self-supporting, quite independent of outside help towards gaining a livelihood. If they have a talent for music above the ordinary possession, they may become teachers; if not, they will not spend four hours a day, in useless beating of their white, helpless fingers against some ill used piano keys. If they are greatly gifted with superior intelligence, they may go into the professions, if not, they will learn trades—I don't mean milliners and dress-makers, and so on—but nice little light trades, like watchmaking, and engraving, and drafting and, indeed, heavier ones, if they have the muscles. We all have muscle. There is no excuse that we should remain idle. The world is full of work, and I can't understand why any honest calling should be unwomanly. Come girls, let us go and sign the contract, which binds us to work old Jacob's farm."

"Dear me, Solomon," said the wife Lucy, in the evening, "you could never guess what those girls have done."

"Perhaps purchased each a new silk," growled Solomon, without lifting his eyes from his paper.

"No, indeed, not," cried the wife indignantly. "They've rented Jacob Sloan's farm—eighty acres, and twenty of it in toll."

"What," cried Solomon, the paper falling helplessly at his feet, "you don't surely mean our girls, not Matilda, and Josephine, and Sarah, and Flora, and Lucy?"

"I mean no one else's girls surely," the wife replied, a little crossly. "They take possession in the morning. Jacob Sloan is to find everything, and they are to have one-half."

"I'll just tell you, Lucy, what it is. This is the most consummate piece of humbug I ever heard of. It will be a dead failure, and they'll make themselves the laughing stock of the neighborhood. Farming, indeed! Why Tilda is that afraid of her hands that she never sweeps even, without gloves; and Flora wraps her head in a towel to dust. I've seen Josephine do the breakfast things with the dish rag clinging to a fork, and Sarah wraps her fingers with a bit of cloth, each one separately if she has vegetables to prepare. Brave farmers they will make!" And Solomon Brown went back to his paper with a scornful chuckle.

Solomon, too, was some of a foggy. Women were women, and women they must remain to the end of the chapter. A great pity, he had often said, that it was so, but nature could not be tortured out of her old, well worn channels by education. Ere, he considered, as having been a vicious sort of little body, bending poor Adam's nose down close to the grindstone, and there her daughters had relentlessly held it, through all of the long years since that first tragedy.

Solomon believed in progression. He thought that the sciences might be better understood, that new discoveries were to be made; that the Atlantic would be crossed in a balloon; but Solomon's radicalism didn't include the possibilities of the coming woman. She was to be what she had been from the beginning. So he pooh-poohed at his daughters' farming, not believing that any good thing should come out of Nazareth.

It was an up hill road to those five dainty daughters of Solomon Brown. But in one thing they resembled their father. They were obstinate, and when they learned his prediction as to their failure, they were quite determined not to fail.

They were up early and worked late. Their strawberries were a success. They gave employment to a number of girls in the village in gathering their small fruits, thus recognizing the true policy, that women must help each other. They kept one hired man, and under his instructions these young ladies learned to turn a ready hand to all kind of farm labor.

Old Solomon Brown's "pooh poohs," grew less emphatic and he began to speak with a sort of shame-faced pride of "Our girls place." Then when the fame of these women farmers had traveled far, and people came from a distance to inspect personally their success, Solomon began to feel proud in saying, "Yes sir, they are my girls."

"Your girls are all boys then?" said one smiling, quoting Kip Van Winkle.

"Just as good as boys," said Solomon Brown blushing, at the retort of old sentiment. But theories must fall before convictions, and well blighted wheat, fine potatoes, good corn, etc., were more convincing to Solomon of his daughters' worth, than volumes favoring the "Subjection of Women."

Solomon Brown's daughters still held Jacob Sloan's farm. Lucy the youngest, is married to Frank Lawler, but instead of her going home to him, as is the manner of the world, he came home to her.

Under the homestead laws a woman that isn't at the head of a family—that is a widow—cannot own land. If this was not the case, I do believe that one of Solomon Brown's girls would go west and take up a piece of land. As it is, they are all going in the spring and Solomon will enter a hundred and sixty acres in his own name, which in reality will belong to his daughters, as it will be purchased with the profits of their farming Jacob Sloan's land.

When is a young man's right arm like unto gospel preaching? When it makes glad the waist places,

WHEAT FOR PHYSICAL VIGOR.

Nothing is more sure in the chemistry of life than that the great bread eaters are the great thinkers, or that the phosphorus which wheat contains in the outer kernel, immediately beneath the husk, is the feeder of brains, and the material substance which provokes to thought, study, reason and all the forms of nervous energy. There are physiologists who attribute the remarkable success of States like Ohio, Indiana, and Illinois, to the bounty and perfection of the wheat crop, and the intellectual stimulus, or rather food which it affords the brain. Certainly no commonwealth in the world has evolved a higher sense of law and order, or more rapidly developed a social system which has hardly an equal in the world. The Constitution of Indiana, for instance, the very centre of the wheat zone, beyond comparison the best in the Union, produces the highest results in our civilization. There is a Southern wheat belt, which includes Australia and a part of South America, where a civilization equal to that of the central North of the United States is growing up. But the full value of wheat as a civilizer will never be fully realized until wheat meal takes the place of bolted flour and the people learn to make bread without yeast or leavening. Good bread is emphatically the "staff of life," the commercial article is the way to dyspepsia and premature death.—Science of Health.

A WISE REBUKE.

The following anecdote is related of the late excellent Joseph John Gurney, of Earlham, by one of his family circles:

One night, I remember it well, I received a severe lesson on the sin of evil speaking. Severe I thought it then; and my heart rose in childish anger against him who gave it; but I had not lived long enough in this world to know how much mischief a child's thoughtless talk may do, and how often it happens that talkers run off the straight line of truth. S. did not stand very high in my esteem; and I was about to speak further of her failing temper. In a few moments my eye caught a look of calm and steady displeasure, that I stopped short. There was no mistaking the meaning of that dark, and speaking eye. It brought the color to my face, and confusion and shame to my heart. I was silent for a few moments; when Joseph John Gurney asked very gravely—

"Dost thou know any good thing to tell us of her?"

I did not answer, and the question was more seriously asked—

"Think, is there nothing good thou canst tell us of her?"

"Oh, yes, I know some good things; but—"

"Would it not have been better, then, to relate those good things, than to have told us that which would lower her in our esteem? Since there is good to relate, would it not be kinder to be silent on the evil? for charity rejoiceth not in iniquity."

MEDICAL VALUE OF ASPARAGUS.

A medical correspondent of an English journal says that the advantages of asparagus are not sufficiently appreciated by those who suffer with rheumatism and gout. Slight cases of rheumatism are cured in a few days by feeding on this delicious esculent; and more chronic cases are much relieved especially if the patient avoids all acids whether in food or beverage.

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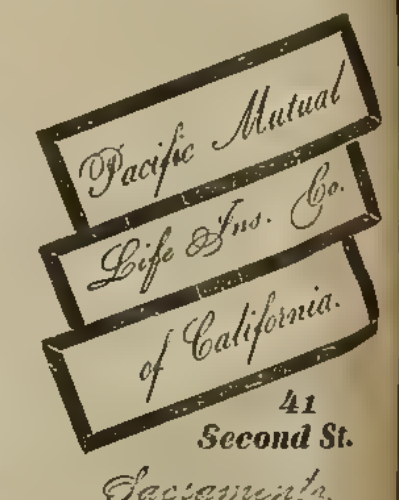
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SEEDS AND PLANTS BY MAIL

During the last Session of Congress a bill was passed curtailing very much the sending of Seeds and Plants by mail, as it changed the Law which allowed sending packages of four pounds, and restricted it to parcels of only 11 ounces. This act was so universally condemned that the Senate and Letters were sent on to Washington to have the law repealed and the former law again established, and we are glad to know this has been accomplished, and now packages of four pounds can be sent of Seeds, Cuttings, Plants, etc., at the old rate of 8 cents per pound.

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Hon. J. S. Deihl, 1 "
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Miscellany.

HISTORIC PLACES IN PARIS.

Here, for instance, lived Robespierre: It is a plain dingy house on the Rue St. Honoré—a house at this time, as the architecture shows, but now occupied by a tradesman. Daploy, the carpenter, and his daughter, and Robespierre, with his dog, have vanished like shadows; and this narrow gateway, which looks so dark now, and through which passed and repassed the first men of France in the anxious days of terror, is given over to waiters, who pass in and out, and tradesmen who chatter with you over a bargain. And you have only to take a small walk along the route passed daily in those days by Maximilian himself, and you come to the site of the Jacobin Club, where Mother Jacobin ruled until the crashing of Thermidor. But club and club-house, and all the men and women who gathered there, have gone the dark road into the realms of silence, and now you see a commodious market-place, and hardly women cry you to buy fish on the spot where Danton once thundered. Nor is it far to the old Church of St. Roch, which has this memory—that one Napoleon Bonaparte found the beginning of his career here—for St. Roch is the church which was held by the insurrectionists when he, as General of the Convention, opened upon them with real powder and ball, and so, in a whirlwind of the French Revolution. And, speaking of Napoleon, you may cross the river and see the top garret room which he and Joseph occupied, as five francs a month—the darkest shadow—a room—nothing to do but to sit brooding and looking out on the Tuilleries, sweeping as majestically before them, and mocking their fate with its irony of grandeur. And you may return and cross the boulevard and walk a way toward Montmartre and see the house where Napoleon lived when he returned from Egypt. It is on the Rue de Viotre. When he went to live there with Josephine it was called Rue Chantier, but in his honor it was named the Street of Victory, and is so named until this day, and you may see his home, where was planned the Eighth Brumaire, with its open court-yard, which has a general appearance of dinginess and looks like a courtyard of a livery stable. While in this vicinity you may see where Mirabeau lived and died in the rosy hours of his fame, and in the room underneath you may now suit yourself with hats and caps or any kind of head gear, or you may continue your inquiries and discover the house where John Paul Marat "the friend of the people" was taking his bath one day, when Charlotte Corday stabbed him.—*French History.*

COST OF THE HOOSAC TUNNEL.

When the bore was started for the Hoosac tunnel, in 1857, the estimated cost for all the work was \$3,350,000. The tunnel is five miles long, and has already cost \$12,300,800, and will cost \$20,000 more to prepare it for a double-track railway. Taking Hoosac as a guide, the estimate for tunneling the Alleghany Mountains, to extend from the James River and Kanawha Canal to the West, may be made, as the distance is about forty miles, a thirty years of time and \$25,000,000 cost. But this would be less than the cost of irrigating five hundred miles of the eastern slope of the Rocky Mountains, as suggested by General Grant: This is a "great country," but can't do anything "in all creation."—*N. Y. Express.*

MODERN EMBALMING.

Embalming and petrifying dead bodies is carried to a high point in Europe. At the Vienna Exposition a large and noble show, made of muscles, sinews, etc., was a handsome exhibit. The process was invented by Dr. Marini, of Naples. Among his other exploits he petrified the body of Thalberg, the pianist, and the wife of said to keep the corpse in her drawing-room. He also embalmed Mazzini, and to well that some of the eminent admirers of the statesman urged that the body should be set up in Rome as a statue.

THE FIRST PATENT.

It is said that the first patent issued by the United States was granted to Samuel Hopkins on July 30, 1790 for the manufacture of pot and pearl ashes. The third was in Oliver Evans, Philadelphia, so famous for his inventions in high pressure engines, of whose invention President Jefferson remarked that "it was too valuable" to be covered by a patent, and there should be no patent for a thing no one could afford to do without after it was known." This was in December of the same year in which Hopkins obtained this patent. For many years after this date the patent office was but a clerkship in the state department.

Gas are like circles in the water, when a stone is thrown into it; one produces another. When water was in Cain's heart murder was not far off.

OUR EXCHANGES.

We are constantly in the receipt of New Journals, and others from New places requesting us to exchange. We shall always do so if possibly consistent with our now very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity to our Cause and to our State. Journals that will exchange California interests and speak of our State as they deserve, will receive our first consideration.

We desire first to extend the information of our new rapidly growing State every where, so as to bring the best class of people to reside with us in our "Golden Land" and those Journals that speak a ready word for our State or for us we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges which are now too large to consider all, we shall be compelled to decline some of those Journals which are not in our line (the more valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 50 cents and \$1 in the hope they would advance the interest of our State, and, as we pay the Postage this side on all we shall continue, others will receive due notice of declining Exchange.

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The Pioneer Herald

OF AGRICULTURE,

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE

Great Reduction

FOR THE

"California Farmer."

FOR

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WARREN & CO., Editors and Publishers,

320 Clay St. San Francisco.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their wants?



Agriculture.

LEARNING AND LABOR.

The Old written for the dedication exercises of the new building of the Illinois Industrial College, December 14th, 1873, and sung by the University Choir, and published in the Western Agriculturist.

Down the line of struggling a go,
Small theory for truth and light,
Wrong from bosoms of the people,
Duties yearning for the right,
Telling millions, bravely bearing
All the burden of the day,
Suppliants the ear a-bear,
For to labor is to pray.

Down the line of ages dawning,
Glow the kindling fires of thought;
Flashing 'neath the strokes of hammer,
Light, as well as iron, is wrought
And the mighty schools of labor,
With their problems deep and stern,
Educate the toiling people,
For to labor is to earn.

Take the Father's wisdom glean
Answer, from the prayer out wrought;
From the furrowed fields of labor
Come the harvest glean of thought;
And from out the line of ages,
Glean the truth of Christ's birth—
Learning, incarnate in labor,
Shall regenerate the earth.

Then to labor and to learning
Let us consecrate these halls;
Let us come as God's strong angels
Bringing light and breaking thralls;
Kidding in as hopes eternal
Of a glorious coming time,
When the love and might eternal
Shall work out God's will sublime.

A BLOW FROM AN UNSEEN HAND.

BY MRS. M. A. KIDDER.

Give us the hand that will strike a blow
In the open market-place,
While the low-voiced word from the angry heart
Infuses the answering blow!
Rather than the eye and stealthy hand
That aims a blow in the dark,
And leaves, like a poisoned serpent's fang,
A sore and deadly mark.

The tale that the smooth-tongued slanderer tells
Behind her friend's back,
That grows and grows as it outward goes
With the sound of the mill's click, click!
The doubtful story set afloat
By some secret, dangerous hand,
To rob a man of his fame or name,
Are blows from an unseen hand.

Give us the open light of day,
With the clear sun shining bright,
Rather than shadows, grim and gray,
Or the darker gloom of night!
Give us a hand that will deal a blow
As a blow may strike a spark,
Rather than that eye, stealthy one,
That aims a blow in the dark.

FACTS FOR FARMERS.

If you invest money in tools, and then leave them exposed to the weather, it is the same as leaving money to a spendthrift without security—a dead loss in both cases.

If you invest money in books, and never read them, it is the same as putting your money into a bank but never drawing either principal or interest.

If you invest money in live stock, and do not feed and protect them and properly care for them, it is the same as dressing your wife in silk to do kitchen work.

If you invest your money in choice fruits, and do not guard and give them a chance to grow and prove their value, it is the same as putting a good horse into the field with poor tools to work with.

If you invest your money in a good farm, and do not cultivate it well, it is the same as marrying a good wife and so abusing and enslaving her as to crush her energies and break her heart.

If you invest your money in a fine house, and do not cultivate your mind and taste so as to adorn it with intelligence and refinement, it is as if you were to wear broadcloth and a silk hat to the mill.

If you invest your money in fine clothes, and do not wear them with dignity and ease, it is as if a glowworm were to sit at a jeweler's table to make and adjust hair-pieces.

If you invest your money in strong drink, it is the same as turning hungry hogs into a growing corn field—rule will follow in both cases.

If you invest your money in every new wonder that flaming circulars proclaim, it is the same as buying tickets at a lottery office, where there are ten blanks to one prize.

If you invest your money in the last novel, it is the same as employing a tailor's dandy to dig your potatoes.

REMEDIES.

A tea made of peach leaves is a sure cure of kidney difficulty. A plaster made of fresh slacked lime and fresh tar is a sure cure for a cancer, which with all its roots, will come out. A tea made of chestnut leaves, drunk in the place of water, will cure the most obstinate case of dropsy in a few days. A tea made of ripe or dried whortleberries, and drunk in the place of water is a sure and speedy cure for serotious difficulty however bad.—*Memphis Register.*

Meekness is a virtue by which a man may know a Christian better than by his name.

THE GRANGES AND POLITICS.

We are glad to see in the conventions of the Grangers held in Iowa and Illinois during December, a disposition to give politics its proper place. The evils and abuses of political parties have been treated with strong, unsparring hand, while the conventions have shown no disposition to carry favor or seek relief by uniting themselves with any of the existing political organizations, any one of which from motives of expediency, has stood ready to make emphatic protestations and fervent pledges, of its desire and willingness to serve the advancing cause. It certainly behooves the Patrons of Husbandry, while there are questions of a political or semi-political nature involved in the cause which they have undertaken, to guard with increasing vigilance the claims which they have set up, and to see that no alliance is formed on any hand which may prove a dead weight to their progress, or a blight to their success. In the Farmers' Cause, alliance with political parties or factions means compromise, and compromise means failure. To the Grangers we say, "let the political issues of the day look after themselves; there are questions that are of more weight and importance to the present and the future than these, questions in whose ultimate settlement the 'right,' as it now exists will influence the 'might,' and bring it sooner or later as a powerful ally to forces that thus become irresistible. For the farmers to join with either political party is to descend to the level of tacitly endorsing, if not openly practicing all its disreputable means for gaining success, while it is also to receive a due share of the abuse and aspersions cast by the opposing faction. To join either political organization is to increase the opposition from sources which would otherwise have afforded neutral spectators, if not positive adherents.

But the Farmers' Movement, to insure success, demands something besides a withholding from all entangling alliances. It demands an honest, cordial, and unreserved union among the different county and State organizations throughout the country. Whatever the name may be, whether Grange or Club, or Farmers' Association, let there be no jealousy or distrust touching the furtherance of the ends which affect all equally, and whose accomplishment all have alike at heart. The work which the Farmers' Association of the west have mapped out for themselves to do is no child's play; but it has a vastness and importance which will hardly be fully compensated by the present generation. Let us then have no idle bickering as to methods and means while the great result lies unaccomplished.

IMPORTANT TO WORKERS

Dr. E. M. Hunt, of Metuchen, N. J., in a paper read before the Sanitary Association, thus generalizes the facts of digestion:—

"Food should pass into the stomach in a finely divided state. The rapidity with which digestion is performed, depends upon various circumstances. Strong emotion, as anger and grief will retard it; moderate exercise hastens it, and thus the state both of body and mind influences it. A usual meal is generally digested in a healthy person in from three to five hours. A mixture of food is not especially objectionable, except as by variety it encourages the appetite, and often leads us to consume more than is needful. Animal food is digested more quickly than vegetable, and solid food more speedily than soup. Only food is more quickly appropriated by the system than muscular fibre, when agreeing with the stomach. Uncooked oil is more digestible than cooked. Cream and butter are the purest of oils. Baked meats are the most digestible, roasted next, broiled and fried the least so. Bulk is necessary to digestion. The people of cold climates, who live much on fat meats, mix crude matters—sometimes even sawdust—with them, and thus find them more readily digested. Milk is among the most nutritious and digestible of foods. It is considered constipating, but the chief reason is that it is almost entirely taken up by the system, and no residue left. With the same exertion, we need richer food in cold weather than in warm. Never eat between meals, unless extra exertion or exposure require it, and then select hearty and quickly digestible food. As a rule, ripe fruits or vegetables are more digestible than green, and green fruit stewed more digestible than when eaten in the raw state. Smoked meats are less digestible than fresh; and if smoked or salted meats, the latter portion is more easily digested than the outer part. The inner part is preserved as much by the saltpetre and the exclusion of the air, as by the salting and smoking process, and is in a state more allied to preserving fresh meat. Dried fruits, as prunes, raisins, apples, etc., are unfit to eat unless well cooked, and all unbroken seeds are indigestible. Alcoholic stimuli, or condiments of any kind, are not necessary in healthy conditions of the stomach."—*The Technologist.*

1874. OUR 1874.

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THE

American Chief

PREMIUM

GANG PLOW

BY

MATTESON & WILLIAMSON.

The patented Gang Plows have taken the Premiums at the State Fair, and at the District Fairs whenever exhibited, and bore off as many honors as any other Gang Plow made.

The American Chief is the result of years of study and experiment by thorough practical mechanics who, as Plow men, know by long experience in this work.

This Plow is constructed to meet the wants of our Farmers, quickly adjusted to all its parts, and so easy in its working that the tongue of the Plow will move over any change in the surface of the soil without deranging the share of the Plow.

By the perfect construction of the Plow, its wheels are the governing power, while the plowman may move on in his work in confidence that it may be done quickly and most perfectly. So admirable has it proved by the hundreds that have used it, that it is admitted to be the best Gang Plow yet manufactured.

For Circulars or particulars and for purchase.

Address MATTESON & WILLIAMSON,

403



THOROUGHbred

CATTLE

FOR SALE.

WM. FLEMING, OF BROWN'S VALLEY, NAPA CO., offers for sale One Devon Bull, EARL OF LESTER, 2 years old—a superior animal.
One Devon Cow, VICTORIA, now with calf 4 years old.
Also One Heifer—a fine animal.
The above Cattle have taken the Premiums at the District and State Fairs, and will have full Pedigrees guaranteed.

OUR ADVERTISING PATRONS.

Those who desire to have their advertisements appear in *ILLUSTRATED* Numbers of which we shall scatter many Thousands should send in their favors early, that they may secure good places and due attention, this is the season, that advertising pays well.

OIL CAKE MEAL

THE BEST FEED KNOWN
FOR LIVE STOCK.

WE DESIRE TO CALL ATTENTION TO OIL CAKE MEAL, which we are now manufacturing in large quantities, and we are prepared to supply it to all who desire it. It is made of the best quality of oil, and is a most valuable food for live stock. It is sold in large quantities, and is a most valuable food for live stock. It is sold in large quantities, and is a most valuable food for live stock.

FOR DEEP CATTLE It has fattening properties which cannot be found in any other feed—the beef always being more tender and juicy, and of a much finer quality than when fattened on any other food, and as food known to be quickly prepared animals for market as Oil Cake Meal.

FOR HORSES A small quantity given daily promotes their health, and is especially valuable for them when chilled or injured from over-driving. It is one of the best remedies known for Horses subject to the Hooves or Rheumatism, and greatly increases the cleanliness and promotes the growth of the hair.

PACIFIC OIL & LEAD WORKS

NOS 3 AND 5 FRONT STREET.

WALTER BROWN & SON

WOOL

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26 and 28 Park Place,

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WALTER BROWN, NEW YORK.

Consignments Solicited, and advances made if required.

THE CENTURY PLANT.

"AGAVE AMERICANA."

This plant usually called the Century Plant, supposed to bloom only once in a Hundred Years, the Agave Americana or American Aloe, and is the most conspicuous and most desirable plant for position in a large circle or front of a large house, or in Parks at stated distances, in such places it is placed with Palms, Yuccas, Dracenas and other plants, this character give to fine grounds the appearance of a TROPICAL GARDEN, and adds greatly to the whole appearance of the grounds as well as to the value.

We can offer fine large plants of the Agave Americana for sale at \$1.50 and so on, and are prepared to send to any distance, they can be shipped now or later in the year with perfect security.

No charge for packing. Orders sent to the CALIFORNIA FARMER OFFICE will be promptly attended to.

Valuable Tracts of Land

New Owners to California, and all who desire to purchase lands in "Quarter Sections" are invited to call at our Office and examine a List of Land which we can offer them.

These lands are located in different parts of the State—some in each county from San Francisco down to San Diego, all good Lands and easy Sold on advantageous terms.

This List comprises about Eighty Quarters Sections.

Maps, Locations, &c., AT FARMER OFFICE

WANTED

Business that will Pay

from \$1 to \$5 per day, can be pursued in your own home, and is strictly honorable. Particulars free, for \$100 worth several dollars that will enable you to go to it at once, will be sent on receipt of fifty cents.



Horticulture

NEW ROSES.

T. Verdier, the celebrated rose grower of Paris, sends us the following list and descriptions of the best new roses of the past year:—

STANDARD PERPETUALS (Hybrid remontants.)

Antoine Castel.—Tree vigorous with strong erect shoots of a reddish tint, numerous dark spines, foliage with 3 to 5 leaflets round and leathery, very little serrated, and of a pale green color. Flowers of medium size, very double; color bright rose or light corse, shaded with a dark tinge, and white stripes. Similar in growth to Prince de Monaco.

Ernest Heger.—Tree very vigorous with erect reddish shoots and numerous short straight pink spines. Leaves with 5 dark green leaflets with purple points. Flowers large, full of a deep bright purple.

Francis Courtin.—Tree very vigorous with strong erect dark green shoots and numerous straight reddish spines; leaves with 5 leaflets very large of dark green color and but little serrated. Flowers large, full, fine cup shape, frequently 3 together, rarely solitary; outer petals large, reflexed, and imbricated, color purplish carmine, outside rose with white stripes; very fragrant; a free and abundant bloomer and of the highest merit.

John Harrison.—Tree vigorous with erect reddish shoots, long and pointed spines; leaves with 5 leaflets deeply serrated. Flowers very large full, of fine cup shape; color dark brilliant carmine strongly shaded with a velvety blackish hue—very effective variety.

Madame Louise Lefevre.—Tree vigorous with very strong light green erect shoots; very few elongated slightly reflexed brownish spines. Leaves light green with 5 to 7 leaflets deeply serrated. Flowers very large; very full and of fine form; color fine carmine with brilliant center. Only surrounded with very long sepals. A very free and continuous bloomer, seedling of Victor Verdier.

Miller Hayes.—Tree vigorous with erect reddish shoots and few short brownish spines; leaves with 3 to 5 light green leaflets and red midribs; flowers large, full, and of fine cup shape, generally solitary, sometimes 2 or 3 together; thick petals, color crimson with bright center and shaded dazzling velvety red. First-class variety; seedling of Charles Lefevre.

Paula Talbot.—Tree vigorous with erect light green shoots and very rare, short, straight reddish spines; large light green leaves with 3 to 5 leaflets deeply serrated; flowers large, full and of fine form; color dark dazzling rose or reddish carmine. A very free bloomer and altogether of great merit.

President Hardy.—Tree vigorous with erect reddish shoots and irregular rosy spines; leaves light green with 3 to 5 leaflets deeply serrated; flowers large, full and of fine globular form, and from 4 to 8 together; color purplish carmine.

Theodore Buchner.—Tree vigorous with erect reddish shoots, numerous brown irregular spines; leaves with 5 leaflets, deeply serrated, dark green; flowers large, full and of fine form, purplish velvety violet with very center.

Thomas Miller.—Tree very vigorous with erect somewhat reflexed light green shoots and irregular short, nearly straight rosy spines. Leaves with 5 leaflets, large, acuminate, of a dark green, and finely serrated. Flowers extra large, full and of fine cup shape; color dazzling bright rosy carmine with whitish stripes; very free bloomer, and altogether of the greatest merit.—*Gardener's Monthly.*

THE WINE MARKET.

The wine market has undergone a movement of extraordinary briskness, for which nobody seems to have been prepared at this early stage of the season. Although the demand and consequently the price has come, as we have repeatedly pointed out, it has evidently taken everybody by surprise. Possibly the proclamation of the Secretary of the Treasury, enhancing the value of foreign coins, has given the impetus to a movement which, under the circumstances, was impending.

Glasses are held at advanced prices, with extremely light stocks in hand; but the attention of buyers has been absorbed hitherto by the movements in Sherry and Port, in which goods several important transactions have taken place.

In Sherry, probably 3,000 packages have changed hands at full rates, and they are now being held for an advance. In Port, the market has been fairly active; and many lots have changed hands a second time at an advance.

As time progresses, we expect to see Brandy participate in the rise. They are gradually advancing towards the level of their present value in Europe, which they will no doubt reach very shortly.—*Bonfort's Wine and Liquor Circular.*

Whatever you dislike to another take care to correct to your life.

A VINEYARD—A BARGAIN.

We invite special attention to the Vineyard advertised in our Columns, it can be had at a very Great Bargain—only rarely met with, a Vineyard that will clear itself in three years.

THE PERSIMMON.

M. D. Brackenridge, Esq., a well known horticulturist, in answer to an inquiry, writes the *American Farmer* upon the cultivation of the persimmon as follows:—In regard to the raising and propagation of the native persimmon, and its varieties, we feel that but little light can be thrown on the subject by us. But this we can safely say, that if the seed is collected, cleaned of the pulp, and put away in sand during the Winter, sowing in drills two and one-half or three inches deep during March or April, dropping the seed about as thick as you would sow beans, or if your land is light and warm, sow in the Fall, but in either case they should be obliterated and clean of weeds so soon as the plants appear above the ground. By so doing, at the end of the first year you will have stocks from one to two feet high, fit to transplant in an orchard or into nursery rows, on which approved sorts can be worked. But just here comes the rub! How are the fine kinds to be propagated? Is it to be by budding, grafting or inarching?

We tried to bud the large *Maiola* variety of the Philippine Islands, and failed; but this failure does not prove that we, or any one else, may not yet succeed in budding them where both stock and season may prove more favorable for the operation. It would be a strong point gained if we could only propagate some of the delicious varieties as we do the peach.

We know that they can be multiplied by the process of grafting, for we have in our possession several varieties of the *Diospyros Kaki* or large Orange persimmon of Japan, all of which bear marked evidence of having been grafted by the Japanese low down on the collar of the stock, or crown of the root. The leaves of all the Japan kinds that we have seen are larger, rounder and more downy than any native variety than we have observed. The fruit of many kinds in China and Japan are also larger, some of them as big as an ordinary sized peach, and in both of these countries the fruit is sprinkled with sugar, and preserved in the same way that figs and dates are elsewhere. And who doubts, after having seen of late years the delicious varieties of grapes which have sprung from the fox and chicken grapes of our woods and thickets, but that at no distant day we shall also have luscious kinds of persimmon served up at our dessert tables? We know that from the common kinds, with the addition of a little malt, a good liquor is distilled, and without malt a good beer is brewed.

THE

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AND

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Having opened, under the above name, a First-class Photograph and Art Gallery, to which they would kindly call the attention of their many friends and the public in general.

THE GALLERY

is fitted in the most elegant style, and a number of first-class artists are engaged, who will enable the undersigned to produce Photographs and Pictures not to be surpassed by those of any other similar institution.

Our Motto shall be, "First-class Work and Moderate Charges."

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Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant ALFALFA can have Samples of the different kinds sent to them with prices of each, and full direction for

SOIL, CULTURE,

TIME OF PLANTING

BOILING, &c., &c.

with valuable data, by sending to the

Farmer Office,

820 Clay St.,

SAN FRANCISCO.

Ornamental Trees, A BARGAIN.

Two undersigned desirous of giving his entire time and attention to his Apiculture, and to confine his entire attention to the care and culture of his Bees, will now offer his entire

NURSERY OF ORNAMENTAL TREES

GREAT BARGAIN.

as he is determined to close out all his Trees this Autumn. The following are now offered at very low low rates: 5,000 to 8,000 Locust Trees, from 1 to 4 years old, 8,000 to 10,000 Lombardy Poplars of fine growth, 6 to 30 feet high, and of fine form 4,000 to 5,000 California Walnuts from 1 to 3 years old, 1,000 Circassian Mulberry Trees—very fine. 500 American Black Mulberry, the fruiting species—the fruit being very superior, the Trees great bearers.

Purchasers wanting any of these Trees, are invited to visit the Nursery, as we can please them both in QUALITY and in Price, for we are determined this Stock shall all be sold. Address, J. S. HARBISON, *Apiculturist*, SACRAMENTO.

Or OLE GOODRICH, Riverside Road, 3 miles below Sacramento. 40.3



The Fourth Number of VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 6 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address, 39.23 JAMES VICK, Rochester, N. Y.

Real Estate to Exchange.

A good located pleasant Residence in wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged. Address G. W. B., *FARMER OFFICE*. 39.17

PURE ITALIAN BEES.

We offer to the Public this season the Pure ITALIAN BEE, raised and grown by the undersigned and reared in the HARBISON "PATENT HIVE."

We can supply in the extent of 300 Good Swarms. These Bees require less care than any other Bees known and they yield more Honey to the Grower.

Persons desirous of purchasing should visit the Apiary and see the vast numbers of Bees at work, wherever there is a flower there will be found the "Bony Bee" at work.

Address J. S. HARBISON, Sacramento. 40.8

SPLENDID VINEYARD FOR SALE

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 8,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 25 Acres seeded to Alfalfa; and 20 Acres more of Summer Fallow land ready for seeding. There is now upon the place a good Dwelling House, barn (built of 6 rooms with Kitchens, &c.), a good granite walling cellar under the same, 16 feet deep—a Good Barn, a Wine House 44x22, with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schmitt's Improved Cider Mill that cost \$1,200 a Grape Crusher, a Shed and Shop 18x22 with all needed apparatus, and Farming Tools sufficient for the place. Choice Fruit Trees enough for home use, plenty of Wood on the Farm, two fine Wells of Water and a living stream of Water running through the land.

This Vineyard is located two miles west from "Shingle Springs" in Eldorado county, only Three-eighths of a mile from the P. & V. Valley Railroad, and is finely located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a GREAT BARGAIN, if applied for soon. Terms Cash. Those who desire to purchase can learn all particulars by calling on the Editor of THE FARMER. 40.6

SEED WAREHOUSE

WHOLESALE AND RETAIL,

409 & 411 Davis St., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsman & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip, Parsnip, Carrot, Celery, Peas, Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

CHILI CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass, Timothy, or Herd Grass, Orchard Grass, Ryegrass, and Red and White Clover. Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street, San Francisco. 40.8

G. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandy, Port, Sherry, Angelica, &c.

Northwest corner of Battery and Pine streets,

SAN FRANCISCO.

NEW

Bulbous Roots—Seeds.

The undersigned have just received a new and fresh invoice of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquills, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTHS VASES AND GLASSES.

ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

40.9 J Street, Sacramento.

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are entire strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill. We receive many such from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are daily thankful for their patronage, and would gladly attend to their wishes, there is one essential *Pro quibus* that is important.

Our Terms are *CASH IN ADVANCE*, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents, with whom we have business engagements and permanent arrangements, their business is always acceptable.

COMMISSION SALES-ROOM

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements, we feel that we are fully competent by our experience to charge such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of those articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them. Our charges will be five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash or bill should be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following

THE POTATOE PLANTER,

JEBB'S PATENT CHURN,

CHEESE CURD OUTER,

PATENT WEEDING BOX,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased in bulk and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS:

ALSO

TOBACCO SEED,

COTTON SEED

COFFEE SEED,

TEA SEED.

THE BEST KINDS OF

FIELD, GARDEN, FLOWER, Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

of the best kind

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own eye where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be forewarned with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants, raising of Seeds, etc. Also respecting the mode and system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all subscribers.

WARKE & CO.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Traveling over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and most commodious and comfortable Homes for those who journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Oceans, to Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend them to whom we speak from personal knowledge, and shall speak of them and others from time to time as occasion requires.

THE OYSTER ROUTE.

Via Steamer and Railroad.

The Maps Hotel..... Maps City.

Calistoga Hotel..... Calistoga.

BIG TREES OF CALAVERAS.

Via Western Railroad and Geopopolis.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE, ALMADEN MINES, &c.

The Ancestral Hotel..... San Jose.

SANTA CRUZ AND THE BRACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.

Yosemite Valley.

Hutchings' Hotel..... Yosemite Valley.

MARIN COUNTY.

Marina Hotel..... San Rafael.

Travelers who are strangers can rely that, at these Hotels, they will ever find the best and kindest attention and courtesy, and will never be imposed upon by exorbitant charges.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of our Farmers, at all months or weeks of the year—this is our custom; those who are in want should always call when in the city, we shall be glad to see them at our Reading Room, always open and free to all.

THE CALIFORNIA FARMER, SAN FRANCISCO. THURSDAY EVENING, JAN. 29, 1874.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.
230 Clay Street—Marble Building—Up Stairs

FARMER HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the FARMER are always open, and an attendant ready to make a visit instructive to those who take an interest in the production of our State. Samples of all productions—Strains, Grains, Fruits, Models, Inventions, Minerals, and specimens in Natural History innumerable, are constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit San Francisco, should visit the Free Reading Room and Museum of the FARMER. Members of the Press and Strangers are particularly invited to avail themselves of these rooms. Newspapers from every State to which we have access by mail, as well as Foreign Newspapers, Periodicals, and Magazines are upon file and on the tables for use; a Good Library of hundreds of volumes, with works illustrative of Agriculture, Horticulture, and Floriculture, works for reference upon all Sciences with a Cabinet of Minerals, Coins, and Curiosities of interest to the Naturalist, to which we invite all.

TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FARMER, payable in advance, is TWO DOLLARS for five lines or less of space, in Nonpareil type, for one insertion, twenty cents a line for any larger space. Each subsequent insertion half these rates. This is the lowest and the cheapest and best medium of reaching the Agricultural community on this coast. As heretofore the right is reserved to reject any advertisement deemed objectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with this paragraph marked, may understand it is sent to them for their examination, hoping our paper will meet their approval and induce them to subscribe, and to ask their neighbors to subscribe also and for Sample Papers and get up a club. Address PUBLISHERS CALIFORNIA FARMER, San Francisco, Cal.

Editor's Chair.

Here we shall hold our special weekly chat with our Readers and Correspondents, and here we shall direct their attention to such articles in each issue of our journal, to which we would direct their special attention.

We ask attention of our readers to the European Letter for matters of interest to all.

Our Agricultural Page will offer several valuable subjects both in Poetry and Prose, that will interest you are sure.

Our Home Columns furnish a story for Wives and Husbands both, also important information on Co-Education of the Sexes, the Post's Column, has themes worthy attention.

Horticulturists and Florists will find the Persimmon and the New Rose on Page 123, and the Best Fruits to grow, in our Editorial Columns. The Grangers will find good action and counsel in the article for their cause.

Letters Received.—We have a valuable Letter on Horticulture from a distinguished practical Horticulturist for our next.

Silk Culture.—We have a Letter from one of our best workers in this cause, for our next, these Letters came too late for this number.

We have several Letters of Miscellaneous matters that will have due attention.

Festival Scenes.—We return our sincere thanks for many very kind and courteous invitations to Festival Scenes, we appreciate such courtesies, and we do not forget.

SCIENTIFIC LECTURES.

The course of Scientific Lectures now being given in our City at the Mechanics' Institute, by the Professors of the University, are of the highest order, and we are glad to know they are well attended as they should be.

The Mechanics' Institute are doing good service to the working Mechanics of our City, by such intellectual refreshing for them, and we hope our Legislature will aid them this session, by a liberal amount for an Annual Budget for five years to come, and thus build up our working Men's Interest.

ST. IGNATIUS LECTURES.

The Lectures given by Prof. Neil on Electricity has called forth an uncommon interest, which we are glad to see the last Lecture was deeply interesting, and was listened to with satisfaction by an audience of nearly fifty hundred people, one of the very largest and best audiences we have ever seen in a Lecture room in our City.

The Professor, proved himself Master of the Science, did himself and the College great credit and honor by the splendid showing he and his assistants gave of the wonderful power and beauty of Electricity, this Science of Life.

UPHOLSTERY, CARPETS, &c.

Purchasers of Elegant Upholstery Goods, Rich Carpets, and the choicest Decorative Furniture for Parlor or Chamber, should call and examine the elegant assortment at the Spacious Ware-rooms of Messrs. Plam, Bell & Co., on Post St., under Heald's Business College Building, their card will be found in our columns.

REGISTERED LETTERS.

The price of Registered Letters which has hitherto been fifteen cents each to any part of the United States, has been reduced to eight cents each, commencing this day—a wise move on the part of our Government.

THE EARTH, "WITH VERDURE GLAD."

Among the numerous and beautiful Sacred Songs that will ever inspire the heart with purest feelings to those hearts that recognize the "Good, True and Beautiful" in nature, there is no Song or Anthem that can surpass the one known by the emphatic words above, and which so truly applies to our Hills and Valleys that are now indeed "With Verdure Glad."

The uncommon season that is now opening upon us, promises to be one of more than ordinary verdure, a brief period of warm sunny days will robe every hill and valley in the bright and beautiful garments of Spring, already in many sheltered places and warm localities the diamond trees are breaking into blossom, while those little gems, the early violet and other spring flowers are peeping from their grayish bed to tell us spring time is here.

In a little time the watch word should be to all who love the beautiful, "To the Country! To the Country!" for the early Spring-time is the best time to travel; a few weeks and there will be seen such visions of loveliness upon the face of all our earth, as has never been equalled, for we have never had so much land brought under the spirit of culture, and better cultivated, which will give to the extended lands the look of a Mighty Garden spot.

We have experienced so long a period of wet and cold weather in our City, that we shall be surprised when we go into the country, for we shall find how quickly the earth has put on her rich spring dress, under the genial rains that has so blessed the earth in every section of our State.

A visit to any section of our State along the lines of our Railroad the present month, will richly repay the traveler for all the time and the expense, for the scenes of beauty, and the knowledge acquired of the condition of our State in its now rapidly progressing culture, is a knowledge that all should acquire, for seeing is the reality is so much better, and inspires more faith of that reality, than to hear of it, or to read of it a hundred times.

It is much to be regretted that our Business Men are so immersed in their daily routine of traffic in their Warehouses, Manufactories, Banks, or the Stock Exchange, and other places, as to deprive themselves and their families of the great source of happiness and of valuable information to be derived from frequent journeys to the country in the early spring time, the knowledge thus acquired would surely turn to good account, besides the advantage to the health of all who thus improve the delightful Season of Spring.

AMERICAN GRAPES.

California will beyond all question become the largest grape growing and wine making section on the Continent of America, and in coming years become the strong competitor of the wine making sections of Europe.

What is now needed is a thorough test of all the best varieties of Grapes known, simply for wine, to test them, then the combination of various kinds, this we know is done now to some extent, but not so carefully or so scientifically as it should be, and to this end we think more attention should be given to our many New Varieties of American Grapes, which are now becoming highly approved of at the East, both for Wine, and as a Table Grape.

The Catalogues of the Eastern Nurserymen, in which we have many new and well approved kinds we have lately received, and of these we design to report, hoping our vine growers will give them a careful trial, as we believe our climate will bring out their full qualities, even better than at the East, these new kinds can be ordered now.

PLOWING.

The ground in many places on the bottom lands in this country is now, and have been ever since the fall of snow, too wet to plow to advantage and therefore but little work has been done on this kind of land. The red and raised lands are in good plowing condition and great activity prevails among the owners in plowing and putting in crops.

This, although not a winter of floods, has been the most severe known for several years. Since the first of December we have hardly had a clear day, and during that time the weather has been unusually cold—deeper snow has fallen and ice formed thicker than ever before known, causing much suffering among stock, and considerable loss.—*Temple Independent.*

THE SEASON.

Never before has California had so long a season of cold weather or such continued rains, now nearly two months, the quantity fallen being enough to satisfy the hardest grumbler, and even to make them change their cry for rain and pray for annihilation.

The rains have reached every county, even down South where rain seldom falls, they have had a great refreshing, more than has ever fallen before this gives assurance that every county in our State has the sure prospect of a good season.

THE BLIND, THE DEFORMED AND LAME.

Our streets are often made the painful spectacle of objects of pity and commiseration, but the question arises; ought such objects be allowed to station themselves in the streets, upon our sidewalks, and in the most conspicuous places, where by they can attract attention and crave assistance. Will not our Medical men take this matter in hand and show our City Fathers the injury which often results from the exhibition of such objects of charity and pity, many of them often too blind or to contemplate?

Is it not better that the City should provide in some asylum, a place for such most unfortunate creatures, and thus save the great injury they often do by public exposure.

SEED PLANTING.

The present season of seed planting in California will be one of many trials, the long wet weather, the coolness of the earth, by reason of the long absence of the sun, and the length of the time it will take now for the sun's rays to warm and vivify it, will require of all planters great care and good judgment in their work to secure a healthy growth.

It has been an unusual season for California, nearly two months without sunshine, save now and then a day, consequently the earth is so cold that in many cases the Grain has rotted in the earth, and if heavy cases seed like Wheat or Barley will decay, then thin cases seeds like Vegetables or Flower Seeds cannot germinate, and therefore it is advisable to delay planting such seeds until the earth by good cultivation shall have dried and become well penetrated by the sun to give it genial warmth, for seed must have warmth as well as moisture.

It is a too common habit to hurry seed into the earth and let them take their chances without due regard to the condition of that earth, whether it be coarse and lumpy, or fine and soft, for the early germ to take hold and feed upon, or whether the soil is cold and wet, or dry and genial enough to bring the seed to life.

We find there is too great a readiness among planters to blame Seedsmen about poor seed, that they do not grow, there may be old seed sold sometimes that will not germinate, but the blame nine times in ten, is with the planter, not the seedman, the fault is the condition of the season, or the soil.

We have just received the Seed Catalogue of Messrs. Kern, Steber & Co., from which we take the following good and wise counsel, as corroborative of what we have so often said upon the same subject.

Here is the advice of Messrs. Kern, Steber & Co., and we hope for the sake of all planters that this matter of seed planting will receive special attention this year.

Seedsmen are generally held responsible for the success of articles sent out by them. In one respect this is but just, as no responsible firm will send out seeds whose germinating power has not been proved by previous trial. Nor will it pay to purchase or grow seeds of inferior, doubtful quality. Much of the disappointment experienced by many who buy their seeds in the nearest family grocery, arises from the nature of the seeds. For such deceptions, practiced most freely in the West, there is no excuse. People will gradually learn the difference between good and bad, and have to blame themselves when disappointed. Reliable seedsmen are making costly efforts to spread their catalogues broadcast throughout the land, and of the most liberal inducements to the public. Let people deal with them, and not with quacks, and nine-tenths of the present complaints will be heard no more.

The next consideration is that of TREATMENT. For this the buyer is the responsible party. Let this be understood before you drop your seeds. The proper corresponding circumstances and care in treatment are fully as important as trustworthy seeds themselves. But how sadly are they forgotten by many, who wonder why the seeds do not come up. By sowing seeds in wet cold ground, too early in the season, or covering seeds as deep as you do corn, you are sure to fail in many cases. Don't be in too great a hurry to sow before the proper time.

A certain degree of heat and moisture, as well as darkness, is indispensable to germination. Seeds therefore are sown outdoors when the ground is somewhat warmed by reviving Spring. When sown previous to this period, they must have a bed made with artificial heat, and sheltered by glass. To secure the moisture and darkness needed, they are covered with fine earth, in due proportion to their size. A Sweet Pea or Oatmeal Bean will stand a heavy coating, whilst the smaller seeds must be covered but very lightly. Seeds of the smallest size, like Portulaca and Petunia, are sown pressed. A proper judgment must guide the amateur in this respect.

The soil in which you wish to raise your flowers is also of great importance. It should be rich and friable, not coarse, but even better than the kitchen garden. It should never be stirred in the Spring, before it is sufficiently dry to pulverize freely. A hard and baking crust on the surface is always injurious and retarding.

THE NEW AUSTRALIAN LINE.

The first Steamer of the New Australian Line will sail on Saturday next, this is an auspicious event for this City and great credit is due to those who have accomplished this good work for our Coast, for it will add Millions or Dollars of business to our City.

The Steamer, McGregor the Pioneer of this Line has been fitted up in good style for Passengers, and for freight, the City or Menzies will be the next in line, and will then be regular Steamers that can be depended on. Mr. Hall General Agent of the Line, and Mr. Samuels, Post-Master General of New Zealand, are now telegraphed to come overland and join the Steamer here, as Passengers on this the first trip, these with a good flat besides will take passage, and we feel sure a fine and successful passage will be made. Messrs. J. O. Merrill & Co. are the Agents of the Line for California, and a better House could not be selected to secure for it a permanent success.

SAD PROSPECTS SURELY.

The Young Men's Christian Association have closed their Reading Rooms at Sacramento, this is truly unfortunate.

Not long since, the Young Men's Christian Association at San Jose turned their rooms over to the Town Library, surely this does not look well for the young men of that growing City.

Conquests and Triumphs do not always bring the mountains of happiness they anticipated.

FRUIT TREES.

It is all important that those who plant Fruit Trees should be sure to plant only such varieties as have proved valuable and profitable in this climate, such varieties as are not only saleable at a good price, but those that carry well without injury to market, and those that as Table Fruit, are of the most appetizing kind.

From a careful examination of these prerequisites which we have made a selection which we can with confidence say are No. 1 for this market, and such as should be largely cultivated, as beyond question the demand for Fruit will be constantly increasing, both for Home use, and for export, and calculation should be made for a rapidly increasing population also.

The following is our list:

	APPLES.	
Alexander	an.	Roxbury Russet.
Baldwin	wi.	William's Favorite
Early Harvest	an.	Yellow Belleflower
Gravenstein	an.	White Win. Pearmain
Green Newtown Pippin		Spitzenburg
Yellow " "	wi.	Gloria Mundi
Northern Spy	wi.	Older Apple
Winter	an.	Strawberry
Ross's Island Greening	wi.	Red Astracand

The New and Choice kinds are:

Nixon	an. St. Lawrence	an.
Tomkins Co. King	an. Marston Red Winter	an.
Horton's Melon	an. Lady Apple, and Siberian	an.
Esquimaux	an. an Crab, yellow & red an.	an.

From this list any one can select choice kinds. We class them as for early, an. for autumn, and an. for winter.

PEARS.

Bartlett	an. Bergamot	an.
Beckel	an. Beurre d'Automne	an.
Leahorn's Seedling	an. Easter Pear	an.
Bloodgood	an. Brown	an.
Peach Beauty	an. Blout Mercon	an.
Louis Bonne d'Orsay	an. Winter Nellis	an.
St. Michael	an. Beurre Clairgeau	an.
Duchesse d'Angelo	an.	an.

The new ones are:

Doyenne du Comice	an. Beurre Bachelier	an.
Howell	an. Doyenne d'Alencon	an.
Marshall Dillen	an. Beurre Hardy	an.

ORCHARD.

Early Anne	an. Black Ox Heart	late
Carson	an. Biggs' Pear of Savory	late
New Day Duke	an. Napoleon Biggs' Pear	late
Arden's White Heart	an. Gov. Wood	late
Black Tortoise	an. Blon—tart	late
Black Eagle	an. late	late

There are others also, but here is a good list. We shall give a list of other Fruits next week.

THE JERSEY STOCK.

This justly valued class of Cattle is now steadily being appreciated here, and especially by those families that desire to have their own Milk and Butter.

There can be no question of its great superiority in richness both in milk and the flavor of the butter.

In Massachusetts the Jersey's are a favorite Stock, and Jersey Butter sells at one-half more in price than any other butter, last year it sold in Boston as reported, as high as \$1 per lb, contracts were made we learn by Hotels at 85 cents per lb, for the year.

The Hon. Thos. Molloy is owner of the famous Cow, "Flossa," one of the finest Jersey Cows known, this Cow made 28 lbs. butter per week, a product rarely equalled by any class of dairy Stock.

The Jerseys will soon be appreciated here, and their increase will be a desirable thing for California.

ALFALFA HAY FOR MILK COWS.

We are well satisfied that for milk cows alfalfa hay is more valuable than any other. It will make more milk and is better quality than any other kind of hay. In fact, we believe, and our belief is founded upon actual experience in feeding, that cows will give more milk and make more butter or cheese when kept in the stable and fed on good alfalfa hay alone, than they will when running in the pasture and feeding on a plenty of good native grass. We have fed cows on oat hay and given them a good slop twice a day, and we are sure that with this feed they will not thrive as well or give as much milk as when fed on alfalfa hay and no bran at all. This alfalfa, however, to secure these good qualities, must be cut before in blossom, and must be cured without exposure to the sun, so that all the nutriment will be retained in the stem and all the leaves be saved. If not cut until too ripe and then dried in the sun, it becomes of but little more value as hay for any use than so much, willow brush.—*Sacramento Record.*

NEW MUSIC.

The Goddess of Music holds a powerful influence over the people of our State—they are dear lovers of music, and they appreciate good music from all sources.

We have from M. Gray, Esq., the Music Emporium here, the following new pieces:

Pretty Nell—A sweet Ballad, written by George Cooper. The Music composed by Harrison Millard, one of the sweetest songs out.

Father to Thee—A Sacred Song of much much excellence. Words and Music by Harrison Millard.

This song is Dedicated to Mrs. Luther W. Frost, of Yonkers, N. Y.

Musical Monthly—The "Ls. Drama, de la Creme," a collection of Music for advanced Players, each Monthly Number has six very choice pieces. The work is only \$4 per year.

Peter's Musical Monthly—The February number of this Monthly contains eleven choice pieces. Some pieces dedicated to Flower—the collection is a superior one. This work is \$3 per annum—both Publications are published by J. L. Peters, 629 Broadway, New York.

TWO GREAT ARTICLES THIS YEAR.

There are two things this year that will be very largely planted, as their value is now being fully appreciated, the first is

ALFALFA.

This famous Clover is now being justly esteemed everywhere, we are receiving orders from many of the Southern States, and from all sections here, it has been thoroughly tested for Dairy Stock, and also for Sheep, and we are confident it will become the leading article of pasture grasses.

Twenty years ago, Alfalfa was there and have advocated it every year since, and now see our faith in it fully verified.

Twenty years ago we furnished the "Department of Agriculture" at Washington, with a large quantity of seed for distribution, and we can now rejoice in knowing our efforts to introduce this valuable grass a complete success.

There will probably be 300,000 lbs. of Alfalfa sown this year, it may be even more than that, those who desire to plant can have full directions relative to soil, manner of planting, caring, &c., at our Office.

THE EUCLYPTUS TREE.

The second is, this most valuable tree, now being appreciated for its many valuable qualities, we know of no tree that will compare with the Eucalyptus, for the many uses to which it can be made valuable.

We have recently published two articles upon its various qualities and we know that in a short time it will be esteemed the most remarkable tree known, its value has been tested for mechanical purposes with great satisfaction, for many kinds of Carriage work, for Cabinet Makers, for Shipbuilders, for Railroad Sleepers, and for many other purposes, that, and its great value as a Shrub or Ornamental Tree.

As a Tree for protection from winds it is equal, it is of very rapid growth, and some varieties of very dense foliage, it has also the power of attracting moisture, and therefore good in dry climate, there are about sixty varieties of this tree, which we have heretofore described and published, the history of which was furnished us by Baron F. Von Mueller, the highly distinguished Botanist and Director of the famous Botanical Gardens at Melbourne, Australia, the Home of the Eucalyptus, from whence the first seeds came to this Coast, and were distributed from this Office, and we now have the list, and characteristics of all these famous trees at our Office.

BOY TRAINING.

Why should we teach our boy that he is to be more, whistling, rumpling, tearing and weary member of the household, while his own father or mother servants work around him from when chime to chime? Is it not necessary to define the limits, "thou shalt thou go and no farther."

Every thoughtful mother can adapt her instructions to the need, or to the strength and disposition of her boy. Why should he not make his own bed at times? Harry, Miss Edgeworth's Boy and Lucy, "used to do it, and what was more, to the best of my recollection, his father showed him how! A very picture of a manly boy is growing up, evidently to be a Guy Lombard, Prince Rupert of our day. Why should he leave his room a howling wilderness of books and pants and ink pocket-handkerchiefs? If he made occasionally to set to rights himself, he would get a dustpan and sweep up the sticks and he will at least have an intelligent comprehension another time, of the cost of the confusion.

Teach him all the little conveniences, how to report himself before his elders, and the carrying be given to light, old and young; but teach him, also, why he is better fitted to carry home the heavy basket than Sophy, the servant maid, and why he should always lend a helping hand to women, young or old. We hear a good deal of imperfect sympathies, nowadays, as a sort of perfect sympathies are charged generally, we believe, to the account of the abused "material" race. Times of poverty and heartaches of blood, hearts are laid to the charge of this new order. The disillusion of married life shows we lay all the blame on our growing boys when the *cara sposa* discovers that the cakes and sausages of courtship are succeeded by "tea, butchers' bills and sloppy servant maids; when, after the day's "foot and worry" is over, her Charles lends her but an indifferent ear, and is surprised that she is so weary, used-up, and complaining, we must go back, not only to childhood, but to that of Charles, as well.

She may not have the cookbook, but heartily yet vigorous he is ignorant, as a wild creature of the cost of the home. He may foot up, in dollars and cents, the money but of the force, the physical labor, the executive energy, the moral balance required to keep all things steady, has not the remotest idea. Teach him that the mother of rumping Charles, before that portion daughter-in-law comes upon the scene, that the sense of fitness and order, that intelligent surveillance of the household machinery, that makes him charitable and helpful in season, and sympathetic always.—*Christian Union.*

A PERMANENT PASTE.

The following process, will it is said, afford an unusually adhesive paste, adapted to leather, paper, etc., without the defects of glue, which, if preserved from evaporation in closed bottles, will keep for years. Cover four parts by weight, of glue, with sixteen parts of cold water, and allow it to soak for several hours; then warm moderately till the solution is perfectly clear, and dilute it with sixty-five parts of boiling water, intimately stirred. Next prepare a solution of thirty parts of starch in two hundred parts of cold water so as to form a thick, opaque liquid, free from lumps, and pour the boiling glue solution into it with thorough stirring, and at the same time keeping the heat at boiling.

New Advertisements.



MAGNIFICENT
FURNITURE.

THE LARGEST

—AND—

Most Complete
STOCK
In the World!

—AND THE—

Superior Quality

—OF—

OUR GOODS

—IS—

Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY
are being constantly introduced,
in addition to our

Immense Assortment

OF PLAIN AND COMMON FURNITURE, that cannot
be equalled.

NEW ARTICLES of our own manufacture, warrant-
ed to stand any climate.
San Francisco made goods sold at Factory Prices, but
NOT GUARANTEED.

Elegant, Ornamental and Useful
Articles,

—FOR THE—

HOLIDAYS

NOW BRING

RECEIVED DAILY,
ALL OF WHICH

We Propose to Sell at
Extremely Low Prices.

CALIFORNIA
Furniture Manufacturing
Company,

220 to 226 Bush street.

40.11

50,000

EUCALYPTUS

TREES.

Eucalyptus Trees 8 to 10 feet high,

Trees 6 to 8 feet high,

Medium Trees 4 to 5 feet high,

Third size 3 to 5 feet high,

Second size 2 to 3 feet high,

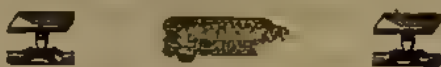
The Mass size 1 to 2 feet high,

These trees are of a good healthy growth,
and can be packed to go any distance safely
and will be sold low in large lots.

Address, or call at the

FARMER OFFICE.

New Advertisements.



CARPETS,

OIL CLOTHS,

FINE FURNITURE,

AND

Upholstery Goods,

New Importations.

The Finest and Largest and Cheapest assortment of Goods
in our line ever offered in this market.

ALL STYLES OF CURTAINS AND CURTAIN
MATERIAL.

FURNITURE ALL STYLES AND PRICES,

Carpet from the lowest to the highest Grade in
New Styles

FURNITURE IN NEW AND UNIQUE DESIGNS

An examination of all Goods and Prices respect-
fully solicited.

PLUM, BELL & CO.,

23, 24, 25, and 26 POST STREET,

40.12 SAN FRANCISCO.



HARTFORD

FIRE

INSURANCE COMPANY.

PACIFIC DEPARTMENT.

A. P. FLINT, Manager,

MAYER & BELDEN,

LOCAL AGENTS.

313 CALIFORNIA STREET,

40.1 SAN FRANCISCO, CAL.

NEW STYLE

—OF—

WATER PIPE.

New Invention!

WOOD PIPE FOR

CONDUCTING WATER

This Pipe is made of all sizes, from ONE to TWELVE
INCHES MORE, and suitable for conducting Gas, or Water,
will bear the heavy pressure of iron pipe, and will
endure an equal length of time, and at much less cost.

This Pipe will be found valuable upon large "Stock
Ranches," and in Orchards and Vineyards.

Descriptive Catalogues, with the List of Prices can be had
on application to

H. F. WILLIAMS,

381 Montgomery Street,

40.7 SAN FRANCISCO.

RANDALL'S

GREAT SHEEP BOOK

RANDALL'S NEW EDITION OF

"The Practical Shepherd"

not received in quantities. Every Sheep-raiser in the
State should have a copy.

Price at the Farmer Office, \$2.00; by Mail or Ex-
press, charges paid, \$2.50. Send orders to the Farmer
WARREN & CO.

The Napa 3-Wheeled Iron Gang-Plow.

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Cal., under the superintendence of
D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by
its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided.
SECOND. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and low-
ering, without any exertion on the part of the driver.

THIRD. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three.
The plow is raised or lowered without lifting the driver's seat, and thus this weight is avoided.

FOURTH. THE LINE OF DRAFT. It is a counter-draft plow. An adjustable clevis connects directly
with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts
itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground.

FIFTH. EASE IN TURNING; by means of the rear wheel the plow can be turned with ease in its
own length, making a great saving in time in the course of a day's work.

SIXTH. IT IS EASY ON THE HORSES' NECKS. By resting the driver's seat on the rear end of the
pole, the weight of the pole is balanced and relieves the pressure from the horses' necks.

The following testimonials show what farmers think of it:

"We, the following farmers, were present at a recent trial of this plow and found two mules to do
excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.)
Jessie Grigsby, Benj. McCombs, A. Y. Clark, W. H. Gibbs, J. J. Bagdalis, E. D. Sawyer, D. O. Walker, M.
Reyes, and others." Messrs. Nathan Geomay, J. D. Blanchard, Van Pelt and others, also testify to its
merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

40.9 NO. 3 & 5 FRONT STREET, SAN FRANCISCO.

MECHANICS' INSTITUTE.

27 POST STREET.

Course of Fifteen Lectures on Popular
Science,

BY THE

PROFESSORS IN THE STATE UNIVERSITY, COM-
mencing Saturday Evening, January 30, 1874. Tickets
for the Course Two Dollars. The number of tickets being
limited, application should be made at once to the Librarian's
desk, Mechanics' Institute. 40.15

WAX FLOWERS

AND

WAX FOLIAGE.

THE NEW METHOD OF MAKING

WAX FLOWERS AND FRUITS.

AND ALSO

the Preparation of the Foliage and Flowers and
Plants of every kind as now taught by

Madame Herman, of New York.

ANY LADY OR CHILD

over eight years of age, can now learn Madame Herman's new
method of making Wax Flowers for only \$1.50 by purchas-
ing her new book of instructions and an entire set of moulds
Or her book of instructions in the beautiful art of making
Foliage, which is a perfect representation of the natural
leaf and made without moulds or rollers. Price only \$1.00.

These books can be had from the author MADAME HER-
MAN, No. 113 West 41st Street, New York, or can be had
at the OFFICE OF CALIFORNIA FARMER.

40.12

SPLendid VINEYARD

FOR SALE

A very superior tract of Vineyard land of 170 Acres,
the very best quality of soil for Vines. There is now
20 Acres of the choicest kind of vines in heavy bearing,
order, as proof of their productive power, there was
9,000 gallons of superior Wine made from the vines
three years ago, and their capacity increases—the Vine-
yard can easily be enlarged as the soil is in the best con-
dition for it.

There is now 26 Acres seeded to Alfalfa, and 20 Acres
more of Hammer Fallow land ready for seeding.

There is now upon the place a good Dwelling House
hard (solid) of 6 rooms, with Kitchen, &c., a good
granite walled cellar under the same, 16 feet deep—a
Good Barn, a Wine House 44x22 with Tanks and Tubs
sufficient to manufacture 15,000 Gallons of Wine, there
is also a complete Improved Copper Still that cost \$1,200
a Grape Crusher, a Shed and Shop 16x20 with all needed
apparatus, and Farming Tools sufficient for the place.

Choice Fruit Trees enough for Home use, plenty of
Wood on the Farm, two fine Wells of Water and a living
Stream of Water running through the land.

This Vineyard is located two miles west from "Shingle
Springs," in El Dorado county, only three-eighths of a
mile from the P. S. V. Valley Railroad, and is well lo-
cated and presents an opportunity to secure a fine Vine-
yard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a Great Bargain, if applied for soon.

Those who desire to purchase can learn all particulars
by calling on the Editor of THE FARMER.

THE GORHAM

PREMIUM BROADCAST

SEEDER

AND

CULTIVATOR

COMBINED!

The Premium Gorham Broadcast
Seeder and Cultivator
Combined!

This celebrated Seeder took the Premium at the
State Fair at Sacramento in 1872, also at Modesto and
Obispo—the only places it was entered. The Gorham
Seeder has been awarded the highest merit that prac-
tical farmers can bestow, wherever it has been intro-
duced. Letters from the various Agents throughout
the States of California and Oregon speak of the suc-
cess and the perfect manner of its working, together
with the great saving of seed, time, and money in
sowing and covering, even beyond their most ex-
traneous expectations. This celebrated machine is de-
signed to supersede all other processes of sowing and
covering all classes of grain and grass seeds, as it is
capable of doing a greater amount of work, and bet-
ter work, with a saving to the farmer from one-fourth
to one-half the ordinary expense. From many sources
comes the intelligence that one of the Gorham Seeders
will pay for itself from one to three times the first
year, and with ordinary care the machine will last for
ten years. MAKE THE COMPARISON, AND BUY
A GORHAM SEEDER.

Read the numerous letters from practical farm-
ers who have used it on the Pacific Coast. Any one
desiring to learn more particularly of its merits, is re-
spectfully invited to write to any of the parties men-
tioned herein for such information.

Modesto, April 20, 73,
A. H. BUNNEN.—Permit me, as well as so many others to
say a word in praise of the GORHAM BROADCAST SEEDER
and CULTIVATOR. Last winter I bought of W. J. Houston, of
Modesto, the Gorham Foot Seeder; after using them, I find
that for sowing of Wheat, Barley, and clover, and the per-
fect manner of doing the work, that I have no hesitation in re-
commending them to every farmer as one of the best Machines
in the world. Two much praise cannot be said in favor of the
Seeder. Respectfully, J. W. MITCHELL.

WALTER'S RANCH, CONTRA CO., MARCH 1873.
Messrs. A. J. BUNNEN.—We have used the Ten Foot Gor-
ham Broadcast Seeder and Cultivator, purchased of you, and
cheerfully testify to its merits. We liked it so well that we
shall want to purchase another. We have sowed about Five
Hundred acres with it this year, giving it a fair trial. If we
could not replace it we would not take a thousand dollars for
the one we have. The Machine will accomplish all you re-
commended it for. One of our neighbors has one and speaks of
it in the highest terms. You can use it if you wish for pub-
lication. Yours truly,
GIERMAN & VERCKER.

A. J. BUNNEN, Sacramento,

Sole Owner of Patent Right for the Pacific Coast,

At KELLER'S & Co.'s, Warehouse,

J Street, Sacramento.

POTATO PLANTER.

The Potato Planter—a Great Labor Saving
Machine—by which a Man, Horse and Boy can
do the work of

Twelve Men.

The Machine CUTS, PLANTS, and COVERS,
and does the work admirably, leaving a nice
finished field.

For Sale at the
Farmer Office

C. P. R. R.

FEBRUARY, 1873.

And until further notice, Trains and Boats will

LEAVE SAN FRANCISCO

7:00 A. M. (Daily) Atlantic Express Train (via Oakland)
for Sacramento, Marysville, Redwood and Portland,
O., Colfax, Reno, Ogden and Omaha.

7:30 A. M. (Daily) Cal. P. R. R. Steamer (from Broadway
Wharf), connecting at Vallejo with Trains for Cal-
ifornia, Knights Landing and Sacramento; making close con-
nections at Napa with Buses for Sonoma.

12:00 M. Sundays excepted, Stockton Steamer (from
Broadway wharf) touching at Vallejo, Benicia and
Landings on the San Joaquin River.

3:00 P. M. Daily, San Jose Passenger Train, via Oak-
land, stopping at all Way Stations.

4:00 P. M. Sundays excepted, Passenger Train (via Oak-
land) for Lathrop, Merced, Visalia, Throon and Los
Angeles, Stockton and Sacramento.

4:00 P. M. Sundays excepted, Cal. P. R. R. Steamer
(from Broadway Wharf), connecting at Vallejo with
Trains for California, Knights Landing and Sacramento.

4:00 P. M. Sundays excepted, Sacramento Steamer (from
Broadway Wharf) touching at Benicia and Landings
on the Sacramento River.

6:30 P. M. Sundays excepted, Overland Emigrant Train,
via Oakland—Through Freight and Accommodation.

OAKLAND BRANCH—LEAVE SAN FRANCISCO, 7:00,
8:10, 9:20, 10:10 and 11:30 A. M., 1:10, 2:00, 3:00, 4:00,
5:15, 6:30, 8:15, 9:30 and 11:30 P. M. (Sundays 7:00 and 3:00
to Oakland only.)
LEAVE SACRAMENTO (from San Francisco), 6:30, 8:40, 7:50,
9:00 and 11:00 A. M., 1:30, 2:40, 4:35, 6:10, 7:35 and 10
10 P. M.
LEAVE OAKLAND, 6:40, 8:50, 9:00, 9:10, 10:00, and
11:10 A. M., 1:40, 2:50, 3:50, 5:05, 6:30, 8:05 and
10:30 P. M.
ALAMEDA BRANCH—LEAVE SAN FRANCISCO, 7:30,
1:00 and 11:55 A. M., 1:30, 4:00, 5:30 and 7:00 P. M. (7:30,
1:15 and 5:30 to Fruit Vale only.)
LEAVE HAYWARD, (for San Francisco) 7:45, 7:00 and 10:45
A. M., and 3:30 P. M.
LEAVE FAIR VALLEY, 6:55, 7:35, 9:00 and 11:30 A. M.,
1:30, 4:05 and 5:30 P. M.

*Except Sundays, T. H. GOODMAN,
General Passenger and Ticket Agent,
A. N. TOWNE,
General Superintendent.

SOUTHERN PACIFIC RAILROAD:

ON AND AFTER AUGUST 12th, 1873,
PASSENGER Trains will leave San Francisco as
follows:

Through Trains for Soledad and Way Stations at 8:40
A. M. for San Jose and Way Stations at 7:30 and 10:40 P. M.

*Saturdays at 2:30 P. M. (Sundays excepted.)

An Extra train will leave San Francisco on Sundays at
9:30 A. M., leaving San Jose at 5:50 P. M.

FREIGHT TRAINS—Through Trains for Soledad
will leave San Francisco at 4:15 A. M. Trains for San Jose
and Way Stations at 1:00 P. M.

A. N. TOWNE, Gen'l Supt.
A. C. BASSETT, Asst. Supt.
J. L. WILLIAMS, Gen'l Pass. Agent.

SACRAMENTO DEPART RES.

C. P. R. R.

COMMENCING FRIDAY, AUGUST 20th, 1873,
and until further notice, Trains and Boats will leave
Sacramento as follows:

15 A. M. Sundays excepted Local Passenger Train to
Stockton, San Jose and San Francisco.

8:30 A. M. (Sundays excepted) Accommodation Train to
Marysville and Tehama.

8:45 A. M. (Sundays excepted) Local Passenger Train via
Vallejo, for San Francisco.

10 A. M. or as soon thereafter as practicable (Sundays ex-
cepted) San Francisco Boat—touching at all Way Ports
on the Sacramento River.

9:45 A. M. (Daily) Overland Emigrant Train—Freight and
Accommodation.

10:30 A. M. (Sundays excepted) Accommodation Train to
Davis and Knights Landing.

1:20 P. M. (Daily) Express Train to Stockton, Lathrop, Mer-
ced and Tipton, San Jose and San Francisco.

2:10 P. M. (Daily) Overland Express Train—Colfax, Reno,
Ogden and Omaha.

2:20 P. M. (Daily) Oregon Express Train to Marysville, Red-
wood and Reiding.

3:40 P. M. (Daily) Express Train via Vallejo, for San Fran-
cisco.

4:45 P. M. (Daily) Accommodation and Freight Train to
Stockton and San Francisco.

7:15 P. M. (Sundays excepted) Passenger Train to Davis and
Knights Landing.

T. H. GOODMAN, Gen'l Passenger and Ticket Agent.

39.19 A. N. TOWNE, Gen'l Supt.

S. V. R. R. and P. and S. V. R. R.

Change of Time.

ON AND AFTER WEDNESDAY, MAY 28th, 1873,
until further notice, Trains will run as follows, daily
except Sundays:

Leave Sacramento and Polson and Shingle
Springs at..... 6:00 A. M.

Leave Sacramento for Polson at..... 4:00 P. M.

Leave Shingle Springs for Polson and Sacra-
mento, at..... 10:00 A. M.

Leave Polson and Sacramento, at..... 7:30 A. M. and 10:40 P. M.

JOSEPH JOHNSON,
Superintendent.

COPARTNERSHIP NOTICE.

We have this day admitted into our house as
partner, Mr. GEORGE H. KNAUS and Mr. JOSEPH
L. CHASE, formerly Messrs. KNAUS & CHASE,
of this City, and shall continue the Wool De-
munion business, under the firm name of WAL-
TER BROWN, SON & CO., at our new store,
No. 148 Drumm Street. We shall aim to have
always on hand a good assortment of desirable
Wools, which we will sell at the lowest market
prices; and as our warehouses are spacious and
particularly well lighted, purchasers will have
unusual advantages for examining the Wools
offered.

Wishing our friends the compliments of the
season, we respectfully invite them to give us
an early call. WALTER BROWN & SON,
New York, January 1st, 1874.

Miscellany.

WHO SHALL LIVE?

The struggle for comfort, luxuries, money, power, fame, was never more intense than now. The competitive struggle for life, of which history tells us, is among men a far different thing from what it was during the middle ages. The struggle for life, in the strict sense of the word, has almost ceased among the people of Christendom. In spite of the poverty of the poor, they are not often starved to death in famines or by privation as of old. Wretched as their condition is, it is not neglected by philanthropy. The enormous charities of Christendom reach, in one form or another, a majority of those who are in danger of starving, and prolong lives which in the best are shortened by suffering. The natural order of things that weak organisms shall perish is a simple axiom, and that the fittest shall in general survive them. This stern yet beneficent law controls all the lower forms of life; but it does not slowly become inoperative upon the human species. Among animals, among plants, among savage men, the fittest individuals still survive. But the care of civilization is to preserve the unfittest. With us it is no longer a question of intelligence, of strength, of health. Life is held to be its own excuse for being, though that life be a noxious one. Civilized men are doing their utmost to put a stop to violent competition. The sentimentalists cry out against the elimination of a single vicious and worthless life by capital punishment. Nature strives to refine us, to purge out the dross of men by the action of penal fires. Man laboriously obstructs her attempt, he picks up the rejected refuse, casts it back again into the crucible, and calls the act philanthropy. If natural selection were permitted to have its own way, there would be more hope of human improvement. But the most earnest work of our day is to secure the survival of the unfittest. —Sanitarian for February.

THE DEVELOPMENT OF HEREDITARY MALADIES.

The evolution of these hereditary maladies is extremely interesting and dramatic. Planted in the children's system as germs, or as more predispositions, they are sometimes destroyed beyond the possibility of returning, by a multitude of favorable conditions and precautions; in other instances, they begin at once their fatal work of destruction; or, again, they lie hidden for years, reappearing, at length, remorseless and terrible, under the influence of sundry exciting causes. Two, age, sex, temperament, practices, habits, hygienic surrounding conditions, act a part in the development of hereditary morbid activities. Insanity is rare in childhood, and epilepsy, most commonly makes its appearance in youth. Syphilis, scrofula, rachitism, and tubercle appear in childhood and youth, while gout, gravel, calculi, apoplexy, and cancer are hereditary states of the adult. Women are more liable to insanity, epilepsy, and hysteria than men; but men on the other hand, are far oftener than women attacked by gout, gravel, and calculi. The nervous temperament favors neuroses, the lymphatic sanguine, arthritis and tetter, and the lymphatic, scrofula. The changes occurring in the physiological equilibrium of an individual have a very direct action on the movements and aspects of mental affections. Thus, insanity often appears following menstruation, pregnancy, childbirth; and, in like manner, epilepsy and hysteria manifest themselves at the first appearance of the signs of puberty. Education and habits exercise a similar influence. Harsh usage and excessive severity, as also complete lack of discipline and watchfulness, have often deplorable effects on the brains of children. Alcoholic excess and high living are extremely injurious to those whose parents had the gout or the gravel, whose equator and had air deplete those who breathe themselves the germs of consumption. —Popular Science Monthly.

Wheat.

The Chinese have taken to largely adulterating their wheat. In London there are 10,000,000 pounds in bond which have been condemned as unfit for consumption, and notices have been given to merchants in China that all spurious wheat should be destroyed.

Let us try the same rule in California.

A Hartford boy, six years old, ate half a colander of type a day.

Who gives a trifle meanly is far meaner than the trifle.

Be always at liberty to do good; never make business an excuse to decline the office of humanity.

Some people have softening of the brain but the world suffers more from those who have hardening of the heart.

Wisdom is the most excellent of all possessions, having the promise of this life, and that which is to come.

A church near Bergen, Norway, which can contain nearly 7,000 persons, is constructed entirely of paper maché.

A French journal publishes the following paragraph: "The oldest journal in the world is published at Peking. It is printed on a large sheet of yellow silk, and appears in the same form, with the same characters, and on the same kind of stuff as took place a thousand years ago. The only change is in the writers."

He said it was too cold to get up, and she said it was too hot to get up, and she would not, and they both lay there thirty odd hours in Portland, "Mild" she, pretty "hungry" at that time, thought better of it.

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE AND

Agricultural Implements,

108 & 110 Front street and
12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers,

Sweepstakes Threshers

HOLLINGSWORTH SULEY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 15 inches.

The DEERE PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 20 inches.

BOSTON CHIPPERS PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE

HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full stock of Plows, Harrows, Cultivators, Horse

Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO.,

108 & 110 FRONT STREET,

SAN FRANCISCO.

NEVILLE & CO.,

Bag, Tent, and Hose
Factory,

113 Clay & 114 Commercial Streets,

San Francisco,

Importers, Manufacturers, and Dealers in all

kinds of

Bags, Burlaps, Duck, Can-
vas and Cottons,

ORDERS RESPECTFULLY SOLICITED.

J. M. NEVILLE. G. B. DRYANT.

HUMPH

ALFALFA! ALFALFA!!

SUPERIOR

CHILI ALFALFA!!!

FOR SALE BY

CROSS & CO.,

316 CALIFORNIA STREET,

San Francisco.

40 8

THE

FAMOUS SEED WHEAT.

As there has been numerous call at our

Office to see the famous SEED WHEAT, known as

the "PRINCE OF PEACE," and recommended as

the best by the Originator of this remark-

able Wheat, we have obtained the second

parcel, so that all who desire to secure the

very best and choicest Wheat ever shown in Cal-

ifornia, can see the same at the

CALIFORNIA FARMER OFFICE,

310 Clay Street, up stairs.

FREAR STONE
COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and
Ornamental,

At greatly reduced prices from the cost of natu-

ral stone, fire-proof and enduring

ASHES, COPING, STEPS,

MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of

other cut stone. Vases, Urns, Fontaines, Tiles, Bridge

Floors, Foundation Stones, in fact work of any and all de-

scriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White

and Black Travertine, French Grey, etc.

Architects and Builders are particularly invited to examine

our Stone and Prices before engaging other building material

JAMES GANBLE, President.

R. WEGENER, Secretary.

Office, 414 California Street.

Office and Works, 5 Dixon Street, bet 4th and 5th,

SAN FRANCISCO.

30.11 CUSHING, General Superintendent.

Cashmere Goats.

The undersigned desires to call the attention of all

who want to purchase choice CASHMERE GOATS to the

large and fine herds he has for sale.

He has on hand and now ready to deliver

Pure Bloods,

Half Bloods, and

All Grades up to Pure.

These Goats are of superior form and beauty, and will

be offered as may be wanted by purchasers. They can

be seen at the farm of the undersigned, located four

miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Siderado, Eldorado Co.

N. B.—The undersigned can particularly refer to the

Editor FARMER for the excellence of his Band of Goats.

The Editor can also give particulars. N. G.

37.17

BEE KEEPER'S

DIRECTORY.

By J. B. HARBISON, Apician, Sacramento

THIS BOOK HAS BEEN PREPARED by

the Author with great care and the devotion of

much time. From the experience of many

years as an Apician, the author has given results that must

be of great value to all who have bees. Every person who

contemplates keeping of bees should have this book, a volume

of over 400 pages, fully illustrated, price only \$2.50.

For Sale at the FARMER OFFICE.

WARREN & CO.

50,000

NEWSPAPERS

FOR SALE.

A Large collection of Newspapers of all kinds

Foreign, Domestic, Agricultural, Scientific and

Literary, together with many kinds of Maga-

zines, being the various kinds received during

years of Exchange beyond our own wants for

binding, and suitable for the making up of

"Scrap Books," as the collection of valuable

Data of the past Twenty Years, while many of

the valuable European and Eastern papers would

make fine for a Library, or Reading Room for

"Farmers' Grangers," containing matter of great

value to the searcher after knowledge.

ALSO

20,000 Large Newspapers, for Packing, being

strong quality of paper. These all will be sold

in Lots to suit, can be had at the

FARMER OFFICE,

310 Clay Street, up stairs

OUR EXCHANGES.

We are constantly in the receipt of New Jour-

nals, and others from New places requiring no ex-

change. We shall always do our possible con-

sist with our now very large list, but in order

to convince us that we should do so, we must see

in those Journals some evidence of reciprocity to

MAIN & WINCHESTER,

SADDLERY

WARE.

Have on hand the finest and best Assortment of

HARNESS, HIPS,

SADDLES, LEATHERS,

COLLARS, BLANKETS,

SADDLE TREES, ROBES,

LASHES, ETC.,

ever offered on the Pacific Coast. We particularly

call the attention of the country trade to our exten-

sive assortment of Harness adapted for Farming and

Teaming use, and also to the Collars of our own

manufacture, which we guarantee Superior to any

other Collars manufactured.

We are prepared to supply the trade, with any

goods in our line at the very lowest prices for Cash or

approved credit.

Traders will always receive careful attention.

Nos. 214 and 216 Battery street.

SAN FRANCISCO,

39.17

TO GRAIN, COTTON AND

WOOL GROWERS.

The undersigned are prepared to extend every

facility to Farmers who desire to ship their produce

abroad.

We will advance liberally on any shipments, only

charging interest at the rate of 5 per cent. per annum

Freight at the chartered price paid the ship, Insurance

and other charges at the lowest rate obtainable, thus

netting the shipper the full value of his crops, while

paying the lowest interest for his funds.

Any further information desired will be promptly

furnished.

J. C. MERRILL & CO.,

204 & 206 California Street,

SAN FRANCISCO.

39.15

TREES,

PLANTS & BULBOUS ROOTS

For AUTUMN of 1873.

Ellwanger & Barry offer to Planters and Dealers the

largest and most complete stock in the country of

Standard and Dwarf Fruit Trees,

Grape Vines, Small Fruits,

Ornamental Trees, Shrubs, Evergreens,

New & Rare Fruit & Ornamental Trees,

New & Rare Green & Hot House Plants,

Bulbous Flowering Roots.

Small parcels forwarded by mail when desired. Prompt at-

tention to all inquiries.

Descriptions and Illustrated Price Catalogue sent prepaid

on receipt of Stamp as follows:

No. 1—Fruit, 10c. No. 2—Wholesale, (Just Published),

Free. No. 3—Bulb, Free. Address,

Established 1840. ELLWANGER & BARRY,

39.24 Mount Hope Nurseries, ROCHESTER, N. Y.

NEW MAP

—OF—

CALIFORNIA

—AND—

NEVADA.

IN TOWNSHIPS, WITH MINERAL GROUNDS,

RAILROADS, AND LAND DISTRICTS

DEFINED.

THE MOST COMPLETE MAP

EVER PUBLISHED OF THE TWO STATES.

For sale in Sheets or Book-form.

Size, 8 feet by 34. Price—Book, \$3; Mounted, \$5.

WARREN HOLT,

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CARDS.

CIRCULARS.

BOOK AND JOB PRINTING.

PROMPT,

CHEAP, and GOOD,

At the LARGEST PRINTING HOUSE on the Pacific

Coast, the

COMMERCIAL

STEAM

MAMMOTH PRINTING HOUSE.

No. 617 Clay Street,

FRANCIS & VALENTINE,

Proprietors.

THE
CALIFORNIA
FARMER.

Our FORTIETH VOLUME of the FARMER com-
mence with this issue and we invite our
friends to send us their names and Four Dol-
lars and we will send them the FARMER for the
balance of this year and the following year also
thus giving them over fifteen months for one
year, making it the Best and Cheapest Journal
on this Coast. First we shall have a liberal
addition to our Subscription List, for our FORTIETH
VOLUME as a cheering stimulus in our long con-
tinued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE.

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE

Great Reduction

FOR THE

"California Farmer."

FOR

VOLUME FORTY,

Over 15 Months for Four Dollars

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Ten Copies	30.00
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HAS BEEN ESTABLISHED

TWENTY YEARS,

Circulates over the whole Coast, in every part
of the United States and largely in Europe,
Mexico and South America.

AGENTS WANTED.

LIBERAL RATES FOR GOOD RELIABLE
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AGENTS.

THE CALIFORNIA FARMER,

A GRAND ADVERTISING MEDIUM.

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OVERLAND MONTHLY

We have made arrangements with John H. Car-
many & Co., publishers of the OVERLAND MONTHLY,
by which we are enabled to furnish said mag-
azine in connection with this paper, for the sum
of \$1 per annum for both publications. Send
in your names.

Subscribe Now.

WARREN & CO., Editors and Publishers.

310 Clay St., San Francisco.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in
our Columns, and make their purchases there-
by, will do us a kindness by stating to those
of whom they purchase, where they obtained the
information of their wants?



Horticulture

Home Correspondence.

ORANGE GROVES, THEIR CULTURE.

BY J. STRESELM.

ALHAMBRA, JANUARY 28th, 1874.

Our Orange Grove in the far off Sunset Land was one of the dreams suggested to my fancy on reading Proctor's narrative of travels in Upper California in 1846. It was the guiding star on that long journey across the untracked plains in 1849—through the salty, waterless, barren Estacade—in the knee deep road dust in our wanderings along the Gila river, and on the much dreaded Colorado desert; when after thirteen months of wandering (the wide spread plains) of the San Joaquin plains with fiery brightness of fields of Eschscholzia greeted the gaze from the summit of Paebo's Pass, we reached the Lord that permitted us to view this "Land of Promise."

In 1853 I planted the first Orange seed that grew well, and in 1873 I had realized my dream. During these many years the "Farmer" has faithfully and ably advocated the State's advancement in horticulture especially, being always ready to promulgate the experience of others; I take the liberty to profit by your further indulgence. It is now demonstrated that Oranges can be grown all over California. In fact, I suggest that every home could and should be graced more or less of this golden fruit of the Hyperides, to insure this it is well to guide the new comers in those processes which will succeed, will secure in comparatively a few years, that success, towards which the efforts of their predecessors have been directed for a quarter of a Century.

The Orange tree under favorable conditions is a rapid grower but when those are lacking may remain stationary for years. It requires the richest of mellow soil, which is always well drained, and must have also an abundance of surface moisture. Originally a tropical fruit, it gets acclimated in a more temperate zone, and with some shelter and in a favorable location, will retain without injury a temperature of a few degrees below the freezing point. It is a great feeder, the roots spreading over the surface of the ground absorb fertilizers readily, and require all the solar heat available, in the trees should have plenty of space, not less than fifteen feet apart in the rows. They require careful pruning and shortening in, even of the sharp spring ones when this is done, innumerable bearing shoots that their place; thus not only is fruitfulness promoted but such injury to the fruit during wind storms is avoided. The story of the early history to California fruit culture is repeating itself, then the product of a fruit tree was set at hundreds of dollars, and fortunes made by the single rule of arithmetic, consequences of California are, fewer trees now and decidedly inferior fruit, some count on 2,000 Oranges to a tree, this total valued by the ruling price for the best fruit, looks very handsome, so we see the market crowded with little small barked, perfectly worthless fruit, to the injury of the useful grower. Now in our latitude, anything like two or three hundred large, ripe, perfect Oranges on a tree is a feat, should satisfy the cupid even of a diamond seller. Orange trees can be bought now by the thousand and at a very low price, thus parties wishing to plant extensively can be, easily supplied and without a loss of time, but my object in writing this sketch is to encourage the new comers, the man of little means but sturdy of arm and will, and more so, our girls panting for extended spheres of labor, to those I would say, obtain a few of the best flavored and largest ripe Oranges select the pump seed, and plant it fresh in boxes with perforated bottoms, and sides about 8 inches high, filled up with rich, mellow soil that will not bake, dropping the seeds five inches apart and covering one inch—keep the box in a warm room and the soil damp. When the young plants appear, give plenty of air and sunshine and sprinkle them every evening with slightly tepid water—if there is no frost apprehended and the nights are warm, keep your boxes out of doors, sheltered from wind and burning sun; a screen made of unbleached muslin will answer for both, fork over the surface between the plants occasionally, and mulch it towards autumn with well decomposed manure. The seedlings should attain the height of 12-18 inches during the season—but be not too ambitious to stimulate an exuberant growth; rather shorten in the rampant shoots and secure a plucky symmetrical growth. During the winter keep them in a dry place with a temper never below 33° and not over 60°, and in the spring transplant them to larger and deeper boxes—this is the time to graft them over—if you know of a tree bearing superior fruit or a particular foreign variety from which you could obtain scions—otherwise let them be, as the fruit is reproduced from seed. Seedlings are the thickest and hardest, make larger and spier trees, and if carefully shortened in, and the forming of fruit buds promoted by stopping the ends of shoots—will bear nearly enough, all the grafted foreign varieties are more tender, of slender stunted growth, and the few oranges they bear a year or two earlier do not amount to much generally. Except in very favorable locations the seedlings should remain in boxes the second year, affording a greater facility for sheltering them during the second winter, and be transplanted out in the open ground the third year. The time of the year for transplanting small trees is immaterial, provided it is not done during scorching midsummer days, but like other evergreens they should be always lifted with the earth adhering to and covering the roots in a lump, after transplanting they should be copiously watered to settle the ground, and the trees shaded from the sun for a week and more by choosing the site for an Orange Grove, former observations are necessary to indicate the spot exempt from high winds; a few feet of elevation above the surrounding surface, a few feet to the right or left of the prevailing winds, make a vast difference in the climatic peculiarities of a given location. This was well understood by the Digger Indians, their ancient camps along the banks of creeks, in the innumerable little valleys among the hills are, just the places, they invariably sought a mellow soil, enriched by the soil of the camp, with nearest to water, and are always the most cozy and sheltered nooks in all the country. In these nooks Vines, Tomatoes, Melons will remain green nearly all winter, and young plants are not injured by spring frosts. Next a free supply of water is essential. The holes for the reception of Orange trees should be four feet in depth and the same in diameter, with a layer of old bones at the bottom, 6-8 inches deep, filled up half way with the richest top soil, well pulverized and all dressed with water till thoroughly settled. The tree with the adherent ball of earth is placed in the centre

a couple of inches higher than it stood before, and the hole filled in. The general rule as to further treatment and pruning must be adhered to.

In most parts of our State the trees when young will require more or less shelter during cold spells; anything that will prevent a current of air around a plant, after sunset, and consequent reduction of temperature, or sudden thawing after the freeze will answer—thus boughe of Evergreens or even brush stuck around—or a frame of poles covered over with discarded sacks, the shelter of a wall with an overhanging roof, can all be made use of and answer the purpose. The copious sprinkling of the trees at sunrise, after a cold frosty night is also most effective, also the planting between in alternate rows of Evergreen, for which purpose the different varieties of the Eucalyptus are eminently adapted.

The foliage on older trees and the ripe fruit is coated over during the summer with a black rust, considered by some a parasite growth, it washes off easily without leaving a trace whatever, it appears rather to be an accumulation of dust mixed with the exuded volatile oil abounding in the leaves and outer rind of the fruit, by copious showering during the summer, any injury from that cause can be easily obviated. More serious as affecting the growth of the tree, is the rapid increase of the scale insect—they don't mind the Camomile recommended by some, but suspend or wash it—wash rubs them effectually.

The same processes are followed in raising Lemons, the tree is rather more tender than the Orange, but the fruit often more profitable. I have Lemon seedlings trees bearing as perfect and large fruit as the best of Sicily. Oranges and Lemons can be safely transported long distances, and the market for them is unlimited at remunerative prices, there is no possibility of overstocking; nothing need be wasted from the products of this culture; the surplus leaves dried are used in Pharmacy, and make a very palatable tea, and should supersede the nerve, unstringing Bobs, the drooping flowers are the source of the costly oil, deneroli. The smallest green fruit finds a demand for the best of Fillero—the larger for preserving, the ripe fruit a luxury in itself, in the best correction of the injurious effects of too nutritious and greasy diet—the wood is very firm, elastic and durable, even the sharp thorns make the best and fragrant toothpicks.

The culture of these two varieties of fruit can fill the full scope of available labor in our State. No girl need be idle but can raise her dowry in Orange and Lemon trees, each bearing tree at the most moderate estimate, representing a Capital of one hundred dollars invested at the highest per cent.

THE PICTURESQUE IN NATURE.

If there be a single principle to be recognized before any other, with regard to the picturesque in nature, it is its entire incomparability with artificial embellishment. All this smoothing and dressing may be needed in the city and its suburbs; and those who cannot see why they are more needed in the town than in the country will sometimes spoil the beauty of a whole rustic village by smoothing and decorating a few acres about their dwelling houses. I have often in my rambles been amused by the simplicity of some honest people who, upon learning my errand, would lead me to one of these bald spots for a picture. In one instance I was conducted to a little pond bordered in its whole circumference by neatly-pecked curbstones with a few formal clumps of shrubbery irregularly disposed outside of it. Near it stood a noble ash tree. When we came in sight of it, my companion turned his eyes towards me with an expression of triumph, I looked disappointed and remarked, "Here is a good subject utterly spoiled by those curbstones and clumps of shrubbery. Were I to make a picture containing these formalities, everybody would laugh at it." He remarked that he thought the curbstones an ornament. "An ornament they are undoubtedly," I replied; "if they were not, they might be admissible into a picture; for even formality does not clash with the picturesque, if it be the effect of design. Ornaments, as you will learn, if you carefully reflect upon what you observe, ruin the poetical character of every natural scene which they embellish. No more like Milton's Eve in 'when the least adorned adorned the most.'"—Wilton Flagg.



50,000



EUCALYPTUS

TREES.

Eucalyptus Trees 8 to 10 feet high,

Trees 6 to 8 feet high,

Medium Trees 4 to 5 feet high,

Third size 3 to 5 feet high,

Second size 2 to 3 feet high,

The Mass size 1 to 2 feet high.

These Trees are of a good Healthy growth, and can be packed to go any distance safely and will be sold low in large lots.

Address, or call at the
FARMER OFFICE.

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528 MONTGOMERY ST.,
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18 and 520 Washington Street,

Having opened, under the above name, a First-class Photograph and Art Gallery, to which they would kindly call the attention of their many friends and the public in general.

THE GALLERY

Is fitted in the most elegant style, and a number of first-class artists are engaged, who will enable the undersigned to produce Photographs and Pictures not to be surpassed by those of any other similar institution.

Our Motto shall be, "First-class Work and Moderate Charges."

W. F. & N. J. BAYLEY,
407 528 Montgomery Street, corner Clay.

Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant ALFALFA can have Samples of the different kinds sent to them with prices of each, and full direction for

SOIL, CULTURE,

TIME OF PLANTING
CURING, &c., &c.

with valuable data, by sending to the

Farmer Office,
820 Clay St.,
SAN FRANCISCO.



The Fourth Number of VICK'S FLORAL GUIDE for 1874, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Fall Number 5 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address, 39 23 JAMES VICK, Rochester, N. Y.

Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres
with Rural Surroundings, Woodlands, Rolling Land, good soil for Orchard and Gardening, and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.
Address G. W. B., FARMER OFFICE.
39 17

CHEESE CURD CUTTERS

Of all Sizes,

FOR SALE AT THE OFFICE OF THE
California Farmer.

SEED WAREHOUSE

WHOLESALE AND RETAIL.

409 & 411 Davis St., cor. Washington & Jackson.

J. P. SWEENEY & CO.,

Seedsman & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES, ORNAMENTAL TREES, GARDEN

SHRUBS AND FLOWERING PLANTS.

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip,
Parsnip, Carrot, Celery, Peas,
Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

ORILL CLOVER OR ALFALFA—FRESH

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large

in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass,

Timothy, or Herd Grass,

Orchard Grass, Rye Grass,

and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call and see our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street,

San Francisco.

40,8

C. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandy, Port, Sherry, Angelica, Etc.

Northwest corner of Battery and Pine streets.

SAN FRANCISCO.

NEW

Bulbous Roots—Seeds.

The undersigned have just received a new and fresh lot of Bulbous Roots, Hyacinths, Tulips, Marigolds, Jonquills, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTHS VASES AND GLASSES.

ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

405 J Street, Sacramento.

40,5

To Advertisers Abroad

We are constantly receiving Advertisements from various sources abroad from persons who are either strangers to us, and from Advertising Agents, asking us to insert the enclosed Advertisement, and send bill, and receive ready cash, from Advertising Agents in other States with whom we are wholly unacquainted.

We would inform all such persons, that while we are duly thankful for their patronage, and would gladly attend to their wishes, there is one essential prerequisite that is important.

Our Terms are CASH IN ADVANCE, and such Advertisements cannot be inserted unless the terms are complied with, as the trouble and expense of collection is more than the benefit to be derived. With our regular Agents with whom we have business engagements and permanent arrangements their business is always acceptable.

COMMISSION

SALES ROOM

Purchasing Agency.

Having had the experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent. for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship them as they shall direct.

In order that we may do their business in the most satisfactory way for them and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgment we will do our best to suit them.

Our charge will be Five per cent. together with the cost of packing, freight, drayage, etc. Orders should inclose a satisfactory reference or the Cash or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our especial business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following

THE POTATOE PLANTER,

JEBB'S PATENT CHURN,

CHEESE CURD CUTTER,

PATENT WEEDING HOOK,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS:

ALSO

TOBACCO SEED,

COTTON SEED

COFFEE SEED,

TEA SEED.

THE BEST KINDS OF

FIELD, GARDEN, FLOWER,

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Flowering plants of Seeds, etc. Also respecting the mode and system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE TRAVELER'S GUIDE.

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Travel over our Glorious State, we shall point out to the Traveler on the leading routes the Best Hotels, and as comfortable and comfortable Homes for those who Journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal routes leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Alameda Mines, and the most beautiful region around our city—we can truly commend those whom we speak from a personal knowledge, and shall speak of others and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.

California Hotel..... Calistoga.

BIG TREES OF CALAVERAS.

Via Western Railroad and Cooper's Wells.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE—ALMADEN MINES, &c.

The Australia Hotel..... San Jose.

SANTA CRUZ AND THE BEACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Moran's Hotel..... Clark's Station.

YOSEMITE VALLEY.

Hatchings' Hotel..... Yosemite Valley.

MARIN COUNTY.

Mario Hotel..... San Rafael.

Travelers who are strangers can rely, that at these Hotels they will ever find the best and most attentive and courteous, and will never be imposed upon by exorbitant charges.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us Free, at all months or weeks of the year—this is our custom, those who are in want should always call upon in the City, we shall be glad to see them at our Reading Room, always open and free to all.

New Advertisements.

New Advertisements.

The Napa 3-Wheeled Iron Gang-Plow,

Invented by D. A. MANUEL.

Manufactured by the Napa Plow Company, Napa City, Calif., under the superintendence of D. A. MANUEL.

This Plow, although it has been before the public now only about two years, has already, by its many superior qualities, become the

FAVORITE ON THE PACIFIC COAST
OVER ALL OTHERS.

ITS ADVANTAGES ARE: FIRST,

It is a Three-Wheeled Plow;

Two in front and one in the rear, by means of which all drag is avoided. Second. IT IS AN ADJUSTABLE PLOW, the draft itself being made to do the work of raising and lowering, without any action on the part of the driver. Third. IT IS LIGHT OF DRAFT; the lightness of draft enables two horses to do the work of three. The plow is raised or lowered without lifting the driver's seat, and thus this weight is avoided. Fourth. THE LINE OF DRAFT is a center-draft plow. An adjustable elevator connects directly with the beam, where all the teams pull directly from one centre, so that when the plow is working it adjusts itself to rough and uneven ground, and will plow to the same depth in either hard or soft ground. Fifth. EASY IN TURNING; by means of the rear wheel the plow can be turned with ease in its own length, making a great saving in time in the conversion of a day's work. Sixth. IT IS EASY ON THE HORSES' NECKS. By raising the driver's seat on the rear end of the pole, the weight of the pole is balanced and relieves the pressure from the horses' backs.

The following testimonials show what farmers think of it: "We, the following farmers, were present at a recent trial of this plow and found two mules to do excellent work in dry adobe land, and we recommend the plow beyond all others now in existence. (Signed.) James Grigby, Benj. McCombs, A. Y. Clark, W. H. Gibbs, J. J. Bagdale, E. D. Sawyer, D. O. Waller, M. Reaves, and others." Messrs. Nathan Combs, J. D. Blanchard, Van Pelt and others, also testify to its merits.

LINFORTH, KELLOGG & CO.,

Sole Agent for the Pacific Coast,

40.9. NO. 3 & 5 FRONT STREET, SAN FRANCISCO.

C. P. R. R.

COMMENCING

FEBRUARY, 1873.

And until further notice, Trains and Boats will

LEAVE SAN FRANCISCO

7:00 A. M. (Daily) Atlantic Express Train (via Oakland) for Sacramento, Marysville, Redwood and Portland, O., Colfax, Reno, Ogden and Omaha.

7:30 A. M. (Daily) Cal. P. R. R. Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Colfax, Knight's Landing and Sacramento; making close connections at Napa with Stages for Sonoma.

12:00 M. Sundays excepted, Stockton Steamer (from Broadway Wharf) touching at Vallejo, Benicia and Landings on the San Joaquin River.

3:00 P. M. Daily, San Jose Passenger Train, via Oakland, stopping at all Way Stations.

4:00 P. M. Sundays excepted, Passenger Train (via Oakland) for Lathrop, Merced, Visalia, Tipton and Los Angeles, Stockton and Sacramento.

4:30 P. M. Sundays excepted, Cal. P. R. R. Steamer (from Broadway Wharf), connecting at Vallejo with Trains for Colfax, Knight's Landing and Sacramento.

4:00 P. M. Sundays excepted, Sacramento Steamer (from Broadway Wharf) touching at Benicia and Landings on the Sacramento River.

8:30 P. M. Sundays excepted, Overland Emigrant Train, via Oakland—Through Freight and Accommodation.

OAKLAND BRANCH—LEAVE SAN FRANCISCO, 7:00, 8:10, 9:20, 10:10 and 11:20 A. M., 1:00, 2:00, 3:00, 4:00, 5:15, 6:30, 8:15, 9:30 and 11:30 P. M. (Sundays, 11:30 and 1:00 to Oakland only.)
LEAVE SACRAMENTO (from San Francisco), 7:30, 8:40, 9:50, 11:00 and 11:30 A. M., 1:30, 2:40, 3:50, 5:00, 6:10, 7:25 and 10 P. M.
LEAVE OAKLAND, 7:40, 8:50, 9:00, 9:10, 10:00, and 11:10 A. M., 1:40, 2:50, 3:00, 5:05, 6:20, 8:05 and 10:30 P. M.
ALAMEDA BRANCH—LEAVE SAN FRANCISCO, 7:20, 1:00 and 11:15 A. M., 1:30, 4:00, 5:30 and 7:00 P. M. (7:20, 1:00 and 5:30 to Fruit Vale only.)
LEAVE HAYWARD, (for San Francisco) 7:45, 7:00 and 10:45 A. M., and 3:30 P. M.
LEAVE FORTY VALLEY, 7:25, 7:35, 9:00 and 11:20 A. M., 1:30, 4:05 and 5:30 P. M.

*Except Sundays, T. H. GOODMAN, General Passenger and Ticket Agent.
A. N. TOWNE, General Superintendent.

SOUTHERN PACIFIC RAILROAD:

ON AND AFTER AUGUST 12th, 1873, PASSENGER Trains will leave San Francisco as follows:
Through Trains for Colfax and Way Stations at 8:40 A. M. for San Jose and Way Stations at 9:30 and 14:40 P. M.

*Saturdays at 9:30 P. M. (Sundays excepted.)

An Extra train will leave San Francisco on Sundays at 9:30 A. M., returning leave San Jose at 5:30 P. M.

FREIGHT TRAINS—Through Trains for Colfax will leave San Francisco at 4:15 A. M., Trains for San Jose and Way Stations at 1:00 P. M.

A. N. TOWNE, Gen'l Sup't.
A. C. BASSETT, Asst. Sec'y.
J. L. WILLIOTT, Gen'l Pass. Agent.

SACRAMENTO DEPART RES.

C. P. R. R.

COMMENCING FRIDAY, AUGUST 30th, 1873, and until further notice, Trains and Boats will leave Sacramento as follows:

15 A. M. Sundays excepted Local Passenger Train to Stockton, San Jose and San Francisco.

6:30 A. M. (Sundays excepted) Accommodation Train to Marysville and Tehama.

8:45 A. M. (Sundays excepted) Local Passenger Train via Vallejo, for San Francisco.

10 A. M. or as soon thereafter as practicable (Sundays excepted) San Francisco Boat—touching at all Way Ports on the Sacramento River.

9:45 A. M. (Daily) Overland Emigrant Train—Freight and Accommodation.

10:30 A. M. (Sundays excepted) Accommodation Train to Davis and Knight's Landing.

1:20 P. M. (Daily) Express Train to Stockton, Lathrop, Merced and Tipton, San Jose and San Francisco.

2:10 P. M. (Daily) Overland Express Train—Colfax, Reno, Ogden and Omaha.

2:20 P. M. (Daily) Oregon Express Train to Marysville, Red Bluff and Redding.

3:40 P. M. (Daily) Express Train via Vallejo, for San Francisco.

4:45 P. M. (Daily) Accommodation and Freight Train to Stockton and San Francisco.

7:15 P. M. (Sundays excepted) Passenger Train to Davis and Knight's Landing.

T. H. GOODMAN, Gen'l Passenger and Ticket Agent.

39.19 A. N. TOWNE, Gen'l Sup't.

S. V. R. R. and P. and S. V. R. R.

Change of Time.

ON AND AFTER WEDNESDAY, MAY 22nd, 1873, and until further notice, Trains will run as follows, daily except Sundays:

Leave Sacramento and Folsom and Shingle Springs at 6:00 A. M.

Leave Sacramento for Folsom at 4:00 P. M.

Leave Shingle Springs for Folsom and Sacramento at 10:05 A. M.

Leave Folsom and Sacramento, at 7:50 A. M. and 12:45 P. M.

39.19 JOSEPH JOHNSON, Superintendent.

Mechanics' Institute.

27 POST STREET.

Course of Fifteen Lectures on Popular Science, BY THE

PROFESSORS IN THE STATE UNIVERSITY, COMMENCING Saturday Evening, January 24, 1874. Tickets for the Course Two Dollars. The number of tickets being limited, application should be made at once to the Librarian's desk, Mechanics' Institute.

GARDENER WANTS A PLACE. A good worker and a faithful man, recently from the East, wants a place in a Nursery or Garden for a Season. He comes well recommended as a Second or Assistant Gardener. Apply at FARMER OFFICE.

MAGNIFICENT
FURNITURE.

THE LARGEST

Most Complete
STOCK

In the World!

Superior Quality.

OUR GOODS

Beyond Question.

NEW ARTICLES OF COMFORT AND LUXURY are being constantly introduced, in addition to our

Immense Assortment

OF PLAIN AND COMMON FURNITURE, that cannot be equalled.

NEW ARTICLES of our own manufacture, warranted to stand any climate.

San Francisco made goods sold at Factory Prices, but NOT GUARANTEED.

Elegant, Ornamental and Useful Articles,

FOR THE

HOLIDAYS

NOW BEING

RECEIVED DAILY,

ALL OF WHICH

We Propose to Sell at

Extremely Low Prices.

CALIFORNIA

Furniture Manufacturing

Company,

220 to 226 Bush street.

40.11

NEW ZEALAND FLAX SEED.

The New Zealand Flax can be grown with great advantage and profit in California, and become an article of large export to Europe. Thousands of tons are annually exported to Europe from New Zealand, realizing from £15 to £40, and even £50 per ton.

The New Zealand Flax will grow upon high or low land, wet or dry, good land or poor land, and like the Canada Thistle, once in it is hard to get out, covering the surface in a little time closely, and yielding an immense return.

Those who desire to know how New Zealand Flax grows and how it looks, can see two large plants in the Botanical Grounds. The long broad leaves are the Flax, each plant yielding heavily. Seed for Sale at Farmer Office.

CORN IN CALIFORNIA.

It is one of the greatest errors possible to suppose that Corn will not do well or produce well in California, we are fully satisfied that with due care and attention to the culture of it, it will become in future years one of our Great Staple Productions and be a large income to our State.

For former years it has been only experimented on in a small scale, and without faith or due care for its success.

Those who desire to experiment with it can have the best kind, new and wonderful in quality and production, by calling at the Office of the California Farmer, by making their wishes and plans known, the soil and location, the best sorts will be selected and presented free to each Cultivator.

DO TRY IT 3 Months for 10 Cents; or with \$3 Chromo, for 50 Cents. The National Agricultural and Bee Journal is a sixteen-page Paper of 64 columns, handsomely illustrated in all its departments. One of the Best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Bee-Book for \$1.50 with a beautiful Seed for Sample Copies, and Liberal Terms to Agents, free. Write now to

40.11 A. A. KING & CO., 14 Murray St. New York.

GARDENERS declare my Garden Man- and best full of labor saving methods and valuable ideas learned in many years' extensive market gardening. See my two stamps.

40.17 J. B. ROOT, Good Gardener, ROCKFORD, ILL.

CARPETS.

OIL CLOTHS,

FINE FURNITURE,

AND

Upholstery Goods,

New Importations.

The Finest and Largest and Cheapest assortment of Goods in our line ever offered in this market.

ALL STYLES OF CURTAINS AND CURTAIN MATERIAL

FURNITURE ALL STYLES AND PRIORS,

Carpets (from the lowest to the highest Grade in New Style

FURNITURE IN NEW AND UNIQUE DESIGNS.

An examination of all Goods and Prices respectfully solicited.

PLUM, BELL & CO.,

22, 24, 26, and 28 POST STREET,

40.12 SAN FRANCISCO.

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Carpets (from the lowest to the highest Grade in New Style

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Miscellany.

THE RIVERS IN RHYME.

THE MERRIMAC.
I am the mighty Merrimac,
And I drive Lowell and Lawrence,
And to the wharf of Manchester
I pour my watery torrents.

Old Father San Joaquin has stored
Of work some billion units;
For ages it will run to waste
Till Lowell lived to waste.

—H. J. H. K. in Boston Transcript.

THE KENNEDY.

I am the mighty Kennedy,
And I drive Sprague's fall at Anglin,
After the wheels of Waterville
Have passed my watery motor.

Old Father Moschcow water stores,
Some billion quarts full of it;
For ages it will run to waste
Till some one came to dam it.

—D. R. E. D. in Boston Advertiser.

THE MISSISSIPPI.

I am the mighty Mississippi,
And I drive the lumber mills at St. Paul,
And although they require a good deal of power,
I don't mind the exertion at all.

Old Father Winnipeg stores a stock
Of water which through we pour;
But men don't half utilize my power,
Because dam it they can not.

—P. U. A. D. in Boston Globe.

THE BLACKSTONE.

I am the mighty Blackstone,
And I drive of millstone sort,
But my power's not half exhausted,
Yet I could drive as many more.

In Quinsigamond I keep stored
A wife for the drought;
But she some very wicked thing,
I've damned from source to mouth.

—D. C. N. C. in Evening Press.

THE CONNECTICUT.

I am the mighty Connecticut,
And I drive Holyoke and Hadley;
And to splendid a figure (you see) I cut,
That all other rivers feel badly.

In a hundred lakes my wealth is stored,
With wealth my valley is crisscrossed,
And in spite of being universally admired,
I am occasionally damned.

—D. I. C. U. in Hartford Evening Post.

THE QUINCY.

I am the mighty Quincy,
Am not afraid of getting dry;
I drive more miles than I can mention,
And can as many more supply.

I come from copious fountains,
And my ways are crooked and rough,
You made Southbridge, Putnam and Danielson—
But am not damned half enough.

—L. C. U. C. in Putnam Patriot.

DOWN TO THE WATER.

And I'm the mighty River Thames,
A useful stream I am,
Though some may say in calling names
I am not worth a dam.
Yet on my face large vessels float,
And steamers safely glide,
While good Old Ocean visits me,
And greets me with her tide.

—L. C. U. C. in Herald Bulletin.

THE OHIO.

I am the roaring Ohio!
For floating barge or steamer,
From Pittsburgh down to Cairo,
I'm just an old rip streamer.

And as each craft my bosom plies
Through either chute, you might smell
Bee stings to each pilot-house,
Since I was damned by Wellfleet.

—O. M. Y. in Courier-Journal.

THE SACRAMENTO.

I am the mighty Sacramento,
Sprinkled with my Golden Bands,
Sweeping down from Mica's Golches,
Flooding o'er the Farmer's lands.

And this famous muddy river,
Leading near to Sutter's Fort,
Bears its Dam at Sutter's Blough
In its rushing winter sport.

—J. L. F. W. of California Farmer.

INHERITANCE OF DEFORMITIES.

The heredity of anomalies of organization has been demonstrated in several instances. One of the most striking of these is the case of Edward Lambert, whose whole body, except the face, the palms of the hands, and the soles of the feet, was covered with a sort of shell, consisting of bony excrescences. He was the father of six children, all of whom presented the same anomaly at the age of six weeks. The only one of them who lived transmitted the peculiarity to all his sons, and this transmission, passing from male to male, continued through five generations. Mention is also made of the Colburn family, where the parents for four generations transmitted to the children what is called sexadigitism, i. e., hands and feet with six digits each. Albinism, halting, bare lip, and other anomalies, are in like manner reproduced in the progeny. —*Herald*, Popular Science Monthly.

A doctor, having some leisure time, went on a rambling expedition, but having met with poor success, was returning home with a bill empty game, when he met a friend, an editor, to whom he related his "ill-luck," and wondering at the same, he considering himself an excellent marksman. "Perhaps it was because you were not attending to your legitimate business," was the answer of the quill-driver.

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

HARDWARE

AND

Agricultural Implements,

108 & 110 Front street and
12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

Buckeye Mowers,

Sweepstakes Threshers

ROLLINGWORTH SULKY RAKES,

THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 18 inches.

The DEER PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability, and Rapid Cutting is not equalled by any other yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 20 inches.

BOSTON CLIPPER PLOWS, all sizes,

PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS,

"MILLER'S" PATENT CAST STEEL SIDE HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double,

Also a full stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

MARCUS C. HAWLEY & CO.,

108 & 110 FRONT STREET,

38.3 SAN FRANCISCO.

NEVILLE & CO.,

Bag, Tent, and Hose Factory,

113 Clay & 114 Commercial Streets,

San Francisco,

Importers, Manufacturers, and Dealers in all kinds of

Bags, Burlaps, Duck, Canvas and Cottons,

ORDERS RESPECTFULLY SOLICITED.

J. M. NEVILLE. 39.20 D. H. BRYANT.

ALFALFA! ALFALFA!!

SUPERIOR

CHILI ALFALFA!!!

FOR SALE BY

CROSS & CO.,

316 CALIFORNIA STREET,

San Francisco.

FAMOUS SEED WHEAT.

As there has been a numerous call at our Office to see the famous SEED WHEAT, known as the "PAVE or BURY," and recommended as the best by the Originator of this remarkable wheat, we have obtained the second parcel, so that all who desire to secure the very best and choicest Wheat ever shown in California, can see the same at the

CALIFORNIA FARMER, OFFICE,

320 Clay Street, up stairs.

FREAR STONE COMPANY.

WE ARE PREPARED TO FURNISH

Building Stone, Plain and Ornamental,

At greatly reduced prices from the cost of natural stone, fire-proof and enduring

ASHLER, COPING, STEPS,

MONUMENTS, GRAVESTONES,

BASES FOR MARBLE MONUMENTS

And Cemetery Works of all kinds, at one-half the cost of other cut stone. Vases, Urns, Fountains, Tiles, Bridge Piers, Foundation Stones, in fact work of any and all descriptions usually made in stone or marble.

In colors we imitate Red and Yellow Sandstone, White and Black Tint, French Gray, etc.

Architects and Builders are particularly invited to examine our Stone and Prices before engaging other building material

JAMES GAMBLE, President.
R. WEGENER, Secretary.
Office, 414 California Street.

Office and Works, Bluxom Street, bet 4th and 5th, SAN FRANCISCO.

Cashmere Goats.

The undersigned desires to call the attention of all who want to purchase choice CASHMERE GOATS to the large and fine herds he has for sale.

He has on hand and on order to deliver

Pure Bloods,

Half-Bloods, and

All Grades up to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

Sidoro, Eldorado Co.

N. B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars.

N. G.

BEE KEEPER'S

DIRECTORY.

By J. S. HARRISON, Apisarian, Sacramento

THIS BOOK HAS BEEN PREPARED by the Author with great care and the devotion of much time. From the experience of many years as an Apisarian, the author has given results that must be of great value to all who have bees. Every person who contemplates keeping of Bees should have this book, a volume of over 400 pages, fully illustrated, price only \$1.50.

For Sale at the FARMER OFFICE.

WARRIN & CO.

50,000

NEWSPAPERS FOR SALE.

A Large collection of Newspapers of all kinds Foreign, Domestic, Agricultural, Scientific and Literary, together with many kinds of Magazines, being the various kinds received during years of Exchange having our own wants for binding, and suitable for the making up of "Spray Books," and the collection of valuable Data of the past Twenty Years, while many of the valuable European and Eastern papers would make a fine Library, or Reading Room for "Farmers' Granges," containing matter of great value to the searcher after knowledge.

ALSO

20,000 Large Newspapers for "Packing," being strong quality of paper. These all will be useful in Lots to suit, can be had at the

FARMER OFFICE,

320 Clay Street, up stairs

OUR EXCHANGES.

We are constantly in the receipt of New Journals; and others from New places requesting us to exchange. We shall always do our best to exchange with our "new" very large list, but in order to convince us that we should do so, we must see in those Journals some evidence of reciprocity to our "Gardeners" and "Farmers' Granges," Journals that will extend California's interests and speak of our State as she deserves, will receive our first consideration.

We desire first to extend the information of our new rapidly growing State everywhere, so as to bring the best class of people to reside with us in our "Golden Land," and those Journals that speak a kindly word for our State or for us we shall gladly exchange with in preference, other things being all right.

By the law requiring us to pay the Postage on all our Exchanges, which are now up large to continue, all we shall be compelled to decline some of those Journals which are not in our line (however valuable otherwise).

We have exchanged for a long time with many Journals whose annual rates were 60 cents and \$1 in the hope they would advance the interest of our State, and as we pay the Postage this side on all we shall conclude, others will receive due notice our declining Exchange.

MAIN & WINCHESTER,

COMPANY.



SADDLERY

WARE.

Have on hand the finest and best Assortment of

HARNESSES, SADDLES, COLLARS, SADDLE TREES, LASHES, ETC.,

ever offered on the Pacific Coast. We particularly call the attention of the country trade to our extensive assortment of Harness adapted for Farming and Teaming use, and also to the Collars of our own manufacture, which we guarantee Superior to any other Collars manufactured.

We are prepared to supply the trade, with any goods in our line at the very lowest prices for Cash or approved credit.

Traders will always receive careful attention.

Nov. 214 and 216 Battery street.

SAN FRANCISCO,

39.17

NEW MAP

—OF—

CALIFORNIA

—AND—

NEVADA.

IN TOWNSHIPS, WITH MINERAL GROUNDS, RAILROADS, AND LAND DISTRICTS DEFINED.

THE MOST COMPLETE MAP

EVER PUBLISHED OF THE TWO STATES.

For sale in Sheets or Book form.

Size, 3 feet by 3 1/2. Price—Book, \$3; Mounted, \$5.

WARREN HOLT,

607 Clay Street, San Francisco.

POSTERS

CARDS.

CIRCULARS.

BOOK AND JOB PRINTING.

PROMPT,

CHEAP,

and GOOD,

At the LARGEST PRINTING HOUSE on the Pacific Coast, the

COMMERCIAL

STEAM

MAMMOTH PRINTING HOUSE,

No. 617 Clay Street,

FRANCIS & VALENTINE,

Proprietors.

SPLENDID VINEYARD

FOR SALE

A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 3,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 26 Acres seeded to Alfalfa, and 20 Acres more of Summer Fodder land ready for seeding.

There is now upon the place a good Dwelling House, barn, stable, and 6 rooms, with Kitchen, &c., a good granite walled cellar under the same, 16 feet deep—a Good Barn, a Wine House 4x22 with Tanks and Tubs sufficient to manufacture 15,000 Gallons of Wine, there is also a Schindler Improved Copper Still that cost \$1,200 a Grapes Crusher, a Shed and Shop 16x20 with all needed apparatus, and Farming Tools sufficient for the place.

Choice Fruit Trees enough for Home use, plenty of Wood on the Farm, two large Walls of Water and a flowing Stream of Water running through the land.

This Vineyard is located two miles west from "Shingle Springs," in Eldorado county, only Three-eighths of a mile from the P. S. V. Valley Railroad, and is easily located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

THE TITLE PERFECT.

Will be sold at a GREAT BARGAIN, if applied for soon, Terms "Cash."

Those who desire to purchase can learn all particulars by calling on the Editor of the FARMER.

40.6

GARDENERS

Desired my Garden Man to do all the work of laying out, and planting, and watering, and weeding, and all the work of a Gardener, for two years.

J. H. ROOT, Seed Grower, ROCKFORD, ILL.

40.17

THE

CALIFORNIA

FARMER.

Our FORTIETH VOLUME of the FARMER commences with this issue and we invite our friends to send us their names and Four Dollars and we will send them the FARMER for the balance of the year and the following year also thus giving them over fifteen months for one year, making it the Best and Cheapest Journal on the Coast. First we shall have a liberal addition to our Subscription List, for our FORTIETH VOLUME as a cheering stimulus in our long continued labors for Agriculture, now Twenty Years.

The Pioneer Herald

OF AGRICULTURE,

Established 1854,

THE

Only Agricultural Paper

IN CALIFORNIA,

Devoted Exclusively

TO THIS GREAT INTEREST OF THE STATE

Great Reduction

FOR THE

"California Farmer,"

FOR

VOLUME FORTY,

Over 15 Months for Four Dollars

TERMS FOR 1878 & '79:

The following are our Terms for the FARMER:

Single Copies.....	\$1.00
Six Copies.....	20.00
Ten Copies.....	35.00
Twenty Copies.....	65.00
Fifty Copies.....	150.00

The California Farmer

HAS BEEN ESTABLISHED

TWENTY YEARS,

Circulates over the whole Coast, in every part of the United States and largely in Europe, Mexico and South America.

AGENTS WANTED.

LIBERAL RATES FOR GOOD RELIABLE EDUCATED MEN AS TRAVELING

AGENTS.

THE CALIFORNIA FARMER,

A GRAND ADVERTISING MEDIUM,

CITY SUBSCRIBERS

FIVE DOLLARS PER YEAR

DELIVERED AT THEIR RESIDENCES

BY CITY CARRIERS.

Subscribe Now.

WARREN & CO., Editors and Publishers,

320 Clay St. San Francisco.

WHERE WAS THE ADVERTISEMENT?

Purchasers who read the Advertisements in our Columns, and make their purchases thereby, will do us a kindness by stating to those of whom they purchase, where they obtained the information of their wants?

DO TRY IT 3 Months for 10 Cents; or with 63 Chromo, for 50 Cents. The National Agricultural and Bee Journal is a sixteen-page paper of 64 columns, handsomely illustrated in all its departments. One of the Best Agricultural and Family Papers published. Only \$1 per year, or \$1.25 with best Bee Book, or \$1.50 with a beautiful

CHROMO.

Send for Sample Copies, and Liberal Terms to Agents, Ives. Write now to

H. A. KING & CO., 14 Murray St., New York.

Produce Markets.

Wholesale Produce Report.

Represents the prices paid by the Dealer to the Producer on the wharf or landing places.

Correctly Weekly, by Editor FARMER.

SAN FRANCISCO, Feb. 12, 1874.

MONEY AND EXCHANGE TABLE.

Exchange on England (New Style) \$1 \$3.41 88 1/2
Price of Gold \$100 112 1/4
Value of Greenbacks \$100 90 1/2
Value of Wheat in Liverpool \$1 73 1/2 23 1/2
do do New York \$1 73 1/2 23 1/2

Money at the Bank of England, has declined to 4 and 1/2 per cent.

Could not now fully restored, the Banks are doing business in New York, and all the Eastern States more freely, money very plenty.

Money in San Francisco still increases and more easy to be had. At Bank 1 and 1/2 per cent—Large and long loans are 8 and 12 per cent.

GRAIN AND FLOUR MARKET.

The Grain market is more buoyant and active as last week and although shipments continue, the price is not strong, it is in the favor of buyers, a shading down of 5 to 15 cents per cental on various grades.

Quotations from Liverpool come at lower rates, and this reduces the figures here—holders do not like to yield, nor buyers to advance from their lowest rate, and thus the market is not so active, but tends downward.

The Flour market rules the same. Exports continue, and Home demand good—mills running day and night.

Barley is in good demand, holders are firm, with belief of still further advances. A large export trade is now being carried on, and is likely to continue. Our Barley is highly esteemed for its malting value.

The market for Oats is dull, some sales are made but demand light—prices the same as last week.

Corn in demand, price firm.

Rocky but little in market—service and high. Bye quiet.

Hay and Feed Grain, etc., remain without change since our last report.

Hops, quiet, little inquiry, yet California Hops are the best and so admitted.

The Wool market is quiet now, the prospect is excellent for a large Spring clip, and all wait to know how that will affect our market, the Eastern markets wait also for the new clip, and buyers hold back.

Potatoes, Onions and Beans are in steady demand, and the prices without material change.

Honey and Sugar in good supply and at former rates quoted.

WHOLESALE GRAIN REPORT.

Wheat California, 1st No. 1	\$2.50	\$3.10
do do 2nd No. 1	2.40	3.00
do do 3rd No. 1	2.30	2.90
do do 4th No. 1	2.20	2.80
Barley, 1st No. 1	1.50	1.60
do do 2nd No. 1	1.40	1.50
do do 3rd No. 1	1.30	1.40
do do 4th No. 1	1.20	1.30
Oats, California, 1st No. 1	1.10	1.20
do do 2nd No. 1	1.00	1.10
do do 3rd No. 1	.90	1.00
do do 4th No. 1	.80	.90
Flour, Superfine, 1st No. 1	5.00	5.20
do do 2nd No. 1	4.80	5.00
do do 3rd No. 1	4.60	4.80
do do 4th No. 1	4.40	4.60
do do 5th No. 1	4.20	4.40
do do 6th No. 1	4.00	4.20
do do 7th No. 1	3.80	4.00
do do 8th No. 1	3.60	3.80
do do 9th No. 1	3.40	3.60
do do 10th No. 1	3.20	3.40
do do 11th No. 1	3.00	3.20
do do 12th No. 1	2.80	3.00
do do 13th No. 1	2.60	2.80
do do 14th No. 1	2.40	2.60
do do 15th No. 1	2.20	2.40
do do 16th No. 1	2.00	2.20
do do 17th No. 1	1.80	2.00
do do 18th No. 1	1.60	1.80
do do 19th No. 1	1.40	1.60
do do 20th No. 1	1.20	1.40
do do 21st No. 1	1.00	1.20
do do 22nd No. 1	.80	1.00
do do 23rd No. 1	.60	.80
do do 24th No. 1	.40	.60
do do 25th No. 1	.20	.40

Retail Prices in the Fruit Market.

The Fruit market continues good, Apples a few lingering Pears, an abundance of California Oranges, Lemons, Limes, etc., and an overstock of Island Fruit, these with Nuts plenty and good, give us a good Fruit show.

Apples, 1st No. 1	1.00	1.20
do do 2nd No. 1	.80	1.00
do do 3rd No. 1	.60	.80
do do 4th No. 1	.40	.60
do do 5th No. 1	.20	.40
Pears, 1st No. 1	.80	1.00
do do 2nd No. 1	.60	.80
do do 3rd No. 1	.40	.60
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
Lemons, 1st No. 1	.75	1.00
do do 2nd No. 1	.60	.80
do do 3rd No. 1	.40	.60
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
Limes, 1st No. 1	.50	.75
do do 2nd No. 1	.40	.60
do do 3rd No. 1	.30	.50
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
Nuts, 1st No. 1	.75	1.00
do do 2nd No. 1	.60	.80
do do 3rd No. 1	.40	.60
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20

Retail Prices in the Vegetable Market.

The Vegetable collection is also remarkably good—a full array of the leading standard kinds wanted for the Table. These with plenty of Shallots and other small kinds, with Mushrooms and Asparagus, makes a good showing, especially for February.

Asparagus, white, 1st No. 1	.50	.75
do do 2nd No. 1	.40	.60
do do 3rd No. 1	.30	.50
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
do do 6th No. 1	.05	.10
do do 7th No. 1	.02	.05
do do 8th No. 1	.01	.02
do do 9th No. 1	.00	.01
do do 10th No. 1	.00	.00
do do 11th No. 1	.00	.00
do do 12th No. 1	.00	.00
do do 13th No. 1	.00	.00
do do 14th No. 1	.00	.00
do do 15th No. 1	.00	.00
do do 16th No. 1	.00	.00
do do 17th No. 1	.00	.00
do do 18th No. 1	.00	.00
do do 19th No. 1	.00	.00
do do 20th No. 1	.00	.00
do do 21st No. 1	.00	.00
do do 22nd No. 1	.00	.00
do do 23rd No. 1	.00	.00
do do 24th No. 1	.00	.00
do do 25th No. 1	.00	.00
do do 26th No. 1	.00	.00
do do 27th No. 1	.00	.00
do do 28th No. 1	.00	.00
do do 29th No. 1	.00	.00
do do 30th No. 1	.00	.00

FISH.

LANEY, CATANIA & SONS, 101 1/2 California Market.

The Fish market still short of a general supply. Our splendid Salmon are more plenty, prices still well up in the market. Other fish scarce—no change in rates.

Salmon, 1st No. 1	.50	.75
do do 2nd No. 1	.40	.60
do do 3rd No. 1	.30	.50
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
do do 6th No. 1	.05	.10
do do 7th No. 1	.02	.05
do do 8th No. 1	.01	.02
do do 9th No. 1	.00	.01
do do 10th No. 1	.00	.00

Salmon, 1st No. 1	.50	.75
do do 2nd No. 1	.40	.60
do do 3rd No. 1	.30	.50
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
do do 6th No. 1	.05	.10
do do 7th No. 1	.02	.05
do do 8th No. 1	.01	.02
do do 9th No. 1	.00	.01
do do 10th No. 1	.00	.00

SHELL FISH.

SOLEMON TRESMOR.

37, 38, 39, California Market.

Small Fish remains weak after week in good demand. Increasing trade, no change in price. Everybody eats Oysters because they are fat and delicious.

Oysters, 1st No. 1	.50	.75
do do 2nd No. 1	.40	.60
do do 3rd No. 1	.30	.50
do do 4th No. 1	.20	.40
do do 5th No. 1	.10	.20
do do 6th No. 1	.05	.10
do do 7th No. 1	.02	.05
do do 8th No. 1	.01	.02
do do 9th No. 1	.00	.01
do do 10th No. 1	.00	.00

SEALED.

Beef, extra, 1st No. 1	.18	.25
do do 2nd No. 1	.15	.22
do do 3rd No. 1	.12	.18
do do 4th No. 1	.10	.15
do do 5th No. 1	.08	.12
do do 6th No. 1	.06	.10
do do 7th No. 1	.04	.08
do do 8th No. 1	.03	.06
do do 9th No. 1	.02	.04
do do 10th No. 1	.01	.03

POULTRY AND GAME.

105 & 104.

The Poultry market is now well supplied, quality the best, price reasonably low, and satisfactory to the buyer.

The Retail Beef market has no change to note, good choice cuts remain the same.

Beef, extra, 1st No. 1	.18	.25
do do 2nd No. 1	.15	.22
do do 3rd No. 1	.12	.18
do do 4th No. 1	.10	.15
do do 5th No. 1	.08	.12
do do 6th No. 1	.06	.10
do do 7th No. 1	.04	.08
do do 8th No. 1	.03	.06
do do 9th No. 1	.02	.04
do do 10th No. 1	.01	.03

POULTRY AND GAME—WHOLESALE PRICES.

Broilers, 1st No. 1	.40	.50
do do 2nd No. 1	.35	.45
do do 3rd No. 1	.30	.40
do do 4th No. 1	.25	.35
do do 5th No. 1	.20	.30
do do 6th No. 1	.15	.25
do do 7th No. 1	.10	.20
do do 8th No. 1	.08	.18
do do 9th No. 1	.06	.16
do do 10th No. 1	.04	.14

POULTRY AND GAME—RETAIL PRICES.

Broilers, 1st No. 1	.40	.50
do do 2nd No. 1	.35	.45
do do 3rd No. 1	.30	.40
do do 4th No. 1	.25	.35
do do 5th No. 1	.20	.30
do do 6th No. 1	.15	.25
do do 7th No. 1	.10	.20
do do 8th No. 1	.08	.18
do do 9th No. 1	.06	.16
do do 10th No. 1	.04	.14

POULTRY AND GAME—WHOLESALE PRICES.

Broilers, 1st No. 1	.40	.50
do do 2nd No. 1	.35	.45
do do 3rd No. 1	.30	.40
do do 4th No. 1	.25	.35
do do 5th No. 1	.20	.30
do do 6th No. 1	.15	.25
do do 7th No. 1	.10	.20
do do 8th No. 1	.08	.18
do do 9th No. 1	.06	.16
do do 10th No. 1	.04	.14

POULTRY AND GAME—RETAIL PRICES.

Broilers, 1st No. 1	.40	.50
do do 2nd No. 1	.35	.45
do do 3rd No. 1	.30	.40
do do 4th No. 1	.25	.35
do do 5th No. 1	.20	.30
do do 6th No. 1	.15	.25
do do 7th No. 1	.10	.20
do do 8th No. 1	.08	.18
do do 9th No. 1	.06	.16
do do 10th No. 1	.04	.14

POULTRY AND GAME—WHOLESALE PRICES.

Broilers, 1st No. 1	.40	.50
do do 2nd No. 1	.35	.45
do do 3rd No. 1	.30	.40
do do 4th No. 1	.25	.35
do do 5th No. 1	.20	.30
do do 6th No. 1	.15	.25
do do 7th No. 1	.10	.20
do do 8th No. 1	.08	.18
do do 9th No. 1	.06	.16
do do 10th No. 1	.04	.14

POULTRY AND GAME—RETAIL PRICES.

Broilers, 1st No. 1	.40	.50
do do 2nd No. 1	.35	.45
do do 3rd No. 1	.30	.40
do do 4th No. 1	.25	.35
do do 5th No. 1	.20	.30
do do 6th No. 1	.15	.25
do do 7th No. 1	.10	.20
do do 8th No. 1	.08	.18
do do 9th No. 1	.06	.16
do do 10th No. 1	.04	.14

GRAIN, WOOL, POTATO BAGS, &c.

The Bag market is strong and steady in view of the coming crop, there has been large sales made at full figures on long time, while the Grangers have come in for contracts to deliver.

Head Bowed Bags, Standard, 22x36, 18x18, 12x12	.10	.12
do do 2nd No. 1	.08	.10
do do 3rd No. 1	.06	.08
do do 4th No. 1	.04	.06
do do 5th No. 1	.02	.04

Maiblos Sowed, 22x36, 11x12	.10	.12
do do 2nd No. 1	.08	.10
do do 3rd No. 1	.06	.08
do do 4th No. 1	.04	.06
do do 5th No. 1	.02	.04

HOTELS.

SUMMIT HOTEL.

At the Summit of the Sierra Nevada Mountains, on the Central Pacific Railroad.

JAMES CALDWELL, Proprietor.

This Hotel is the FINEST SUMMER RESORT in the State of California. The Climate is cool and pleasant in the Summer months; the Hotel overlooks "Donner Lake," and is about a pleasant drive from the famous Soda Springs.

A FINE LIVERY STABLE

In connection with the Hotel, at which Fast Turn-outs can be had at any time.

The Table will be supplied with all the Delicacies of the Season.

For INVALIDS no better resort than this can be found in the World, as the air is always Pure and Invigorating.

39.12

Pacific Ocean House,

SANTA CRUZ.

This well-known, long established, and Popular Hotel, has recently been most thoroughly improved in all its interior arrangements, newly furnished and newly furnished throughout.

Great pains have been taken to meet the wants of Traveling Public, so as to make the Patrons of this Hotel feel sure of the Comfort and Convenience of a Home.

This Hotel will be open all night for the convenience of Travelers.

Stages to and from all sections stop at this Hotel.

The Proprietor pledges himself that nothing shall be wanted to give satisfaction to all that visit the Pacific Ocean House.

J. H. HOADLEY, Proprietor.

40.5

MARKET ADVERTISEMENT.

SOLEMON TESMORE.

Dealer in

OYSTERS.

CLAMS, AND ALL KINDS OF SHELL FISH.

Stalls Nos. 57, 5 & 59 California Market

Entrance on Pine Street.

Public or Private Parties, Families, Hotels, and Restaurant supplied at short notice. Oysters Cooked and served to order.

Ladies and Gentlemen's Oyster Rooms open from 6 A. M. until Midnight.

G. MAYES,

DEALER IN

OYSTERS, CLAMS,

AND ALL KINDS OF

SHELL FISH.

Stalls Nos. 40, 41, and 42 California Market

Entrance on California Street.

Public or Private Parties, Families, Hotels, and Restaurant supplied at short notice. Oysters Cooked and served from 6 A. M. to 12 P. M. every day.

38.9

GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN

Grounds renewed and repaired or those who desire to have Grounds Deeded and laid out upon Scientific principles, and with correct taste and skill, as

Adapted to this Climate,

can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

to small Gardens, in our City, will be designed and laid out, and the Trees, Plants, Shrubs, Vines and Bulbs all supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

Wanted but Educated men ever engaged in such work.

Address WARREN & CO., Farmer Office.

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CALIFORNIA FARMER

JOURNAL OF USEFUL SCIENCES.

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Home Correspondence.

SILK CULTURE.

HOW TO MAKE IT PAY.

BY FELIX GILLET, OF SAN FRANCISCO.

(Continued from last week.)

THE CALIFORNIA FARMER:

The raising of silkworms would pay largely, indeed, if we were able to produce as good and healthy eggs as those from Japan; at any rate it is well worth for us to try.

However, as this silkworm egg trade can only be a temporary, and is a business with nothing very certain about it, I would advise people engaged in this silk industry to have in view in raising silkworms rather the producing of cocoons for their silk than for the eggs.

Now, of course, comes the query so often put to the paper, which are a loss what to answer; but what shall we do with our cocoons? I will say, by establishing filatures where our cocoons would be reeled into grège or raw silk. Filatures, as the link between cocoon raising and a market, for a market, even a distant one, can be obtained for our grège, while we couldn't have one for our cocoons, giving us remunerative returns. I know there are some difficulties in the establishing in our midst of one or several filatures, but it is a no less certain fact that we cannot have a market for our cocoons as long as we will not have filatures among us to reel said cocoons into grège.

The next query will be, sure; but after getting a market for our cocoons through the filature, how much shall we get for them? Certainly not more than 75 cents a pound, of French annote, as the Rhone, Brianza and Spagnolella races; and, too, rather 65 cents than 75 cents, considering the disadvantages under which a filature would have to work here with labor so much higher than in Europe. When I say 75 cents a pound of cocoons, I mean fresh cocoons, before the chrysalis is killed; filatures generally buying cocoons in that state; when dried up, cocoons weigh nearly three times as much and are worth as much more.

So it is easy enough for people to find out whether such prices they will be willing to raise cocoons, in most all silk countries, the great inducement for people to go into that business, is that it requires very little capital, takes only forty days of care, does not interfere with the usual work of the farm, and that women and children can so easily attend to it. Its farmer can, through his wife's family, net from 20 to 200 Dollars, according to the number of worms raised; I should think that such money ought to be welcomed, considering the very small capital invested and the little labor required.

In a series of letters to the Farmer, a year ago, I stated that after having given a fair trial to all varieties of the mulberry family represented on my place, and they are the common mores alba

(small-leaved), multicaulis, moretis, lona, japonica and grafted rose-leaved, I had concluded to keep for the purpose of feeding silkworms none but the two latter varieties, the japonica and grafted rose-leaved, as the only ones too, at the same time, produce a good silk and make the business pay, I wish that every one interested in silk worm raising could see for themselves how great are the advantages of these two varieties over all others. That "grafted rose-leaved" is a most beautiful tree, with thick leaves which contain plenty of moisture, to make of them in our hot climate and dry soil, a food of excellence for the worms. As to the "japonica," it grows so readily by cuttings, its wood is so hardy, its leaves so large and so much thicker than the multicaulis, that its qualities are bound to make of it a great favorite as the grafted rose-leaved.

Not only do these two varieties, thanks to the large size of their leaves, yield one-fourth at least more by the acre than any other varieties, even the large leaved and worthless multicaulis, but the picking of their leaves is done so much quicker, that for instance, five pounds of them is picked against one pound of any other variety, except the multicaulis. And as our object must be the saving of labor, I say that we must resort to such varieties to cheapen the cost of the leaves.

Last summer, I made several experiments in silkworm raising, the first lot that I raised were hatched on the 20th of May, and the cocoons spun on the 19th of June; the second lot were hatched on the 24th of June and the cocoons spun on the 4th of August. Through July we experienced much heat, and the house in which I raised my worms being made of nothing but boards with no ceiling at all, but many windows, the thermometer rose fearfully high, ranging for a week between 100° and 104°; and mind that in Europe they regard it as mortal to the worms to have the thermometer as high as 80°. But here we have cool nights; there I make a big difference between what I will call the thermometric heat and the heat that we feel, indeed, while the thermometer rose so high, I stood rather comfortable in the cocoonery through which blew the gentle breeze from the West. Now I say that if we feel at ease in a cocoonery, whatever be the degree of the thermometer, it must be the like with the worms. What cannot be endured by neither man nor insect, it is that sultry weather, with the thermometer relatively low, at 75°; the most damaging heat in Europe is that during a thunder storm, when the atmosphere is full of electricity, the air still, and the heat so oppressive. But with our mountains, this is not the case, and the coolness of the night is, any way, sufficient to make us recuperate our lost vigor, so of course, it is with the silkworms. However, when I will build a cocoonery, a regular one, I will build it so that it will keep a great deal cooler; that can be done by first having four inches thick of sawdust put between the siding outside and the siding inside, so with the ceiling; having besides a good system of ventilation, in such a cocoonery the worms can be kept very comfortably and in the very temperature they delight in. In short, silkworm raising, I believe, can be successfully carried on in California, provided that people take a rational care of the worms. Otherwise the manner of raising them might differ somewhat according to localities.

But the question with us must be the establishing of filatures; and to that end, the press favorable to this silk industry and silk growers themselves must direct their efforts, for I do not see of any other way to make of this industry a regular paying one.

THE BURNS MONUMENT.

A New York paper says that the subscriptions to the fund for the erection of a statue of Robert Burns in Central Park have been coming in very rapidly, in sums from \$300 downward, and the sum required to pay for the intended monument will be complete very shortly. The cost of the statue, with incidental expenses and all included, is estimated at \$15,000, which can be very easily raised from Scotchmen alone resident in New York city. The well-known sculptor, Mr. John Steel, of Edinburgh, has the execution of the work for which he is particularly adapted. The statue of Sir Walter Scott, already in Central Park, and several other works in New York, bear witness to the abilities of this artist. The exact design for the statue of Robert Burns is kept secret by the sculptor. The erection of the monument in Central Park is not expected to take place before the summer of 1875, when it will arrive from Scotland. A great number of Americans have subscribed liberally to the monument of the great poet.

A book, printed one hundred years ago, but only just published, is a literary curiosity. An edition of the *officium D. F. M.*, printed in 1677 by the famous firm of Plantin, was recently discovered, folded in sheets in an old house at Amsterdam. Some copies have found their way to London. They are very small, prettily printed in red and black, with cuts, and as fresh and clean as if they had just come from the press.

The "world" never harms a Christian so long as he keeps it out of his heart. Temptation is never dangerous until it has an inside accomplice. Sin within betrays the heart to the outside assailant.



WASHINGTON'S COUNSEL TO HIS COUNTRYMEN.

The near approach of the BIRTH DAY of Washington, a day that should be sacredly observed as long as the "Stars and Stripes" shall wave over a Free Country, induces us to publish a portion of the Noble Counsel which the Father of his Country left to us in his "Farewell Address," on retiring from his second term of the Presidency of the United States, a position ever honored by him.

The counsel here given will be worthy of special reading now by all Politicians, Legislators, and all our people, North and South, this counsel is needed now, to guide us all in the preservation of those Liberties and Blessings for which Washington so long labored to establish and perpetuate.

"Friends and Fellow Citizens:

"The period for a new election of a citizen to administer the executive government of the United States, being not far distant, and the time actually arrived when your thoughts must be employed in designating the person who is to be clothed with that important trust, it appears to me proper, especially as it may conduce to a more distinct expression of the Public Voice, that I should now apprise you of the resolution I have formed, to decline being considered among the number of those, out of whom a choice is to be made.

"I beg you, at the same time, to do me the justice to be assured, that this resolution has not been taken, without a strict regard to all the considerations appertaining to the relation which binds a dutiful citizen to his country; and that, in withdrawing the tender of service which silence in my situation might imply, I am influenced by no diminution of zeal for your future interest; no deficiency of grateful respect for your past kindness; but am supported by a full conviction that the step is compatible with both.

"The acceptance of, and continuance hitherto in the office to which your suffrages have twice called me, have been a uniform sacrifice of inclination to the opinion of duty, and to a deference for what appeared to be your desire. I constantly hoped that it would have been much earlier in my power, consistently with motives which I was not at liberty to disregard, to return to that retirement from which I had been reluctantly drawn. The strength of my inclination to do this, previous to the last election, had even led to the preparation of an address to declare it to you; but mature reflection on the then critical posture of our affairs with foreign nations, and the unanimous advice of persons entitled to my confidence, impelled me to abandon the idea.

"I rejoice that the state of your concerns, external as well as internal, no longer renders the pursuit of inclination incompatible with the sentiment of duty or propriety; and am persuaded, whatever partiality may be retained for my services, that in the present circumstances of my country, you will not disapprove my determination to retire.

"The impressions with which I first undertook the arduous trust, were explained on the proper occasion. In the discharge of this trust I will only say that I have, with good intentions, contributed towards the organization and administration of the government, the best exertions of which a very fallible judgment was capable. Not unconscious for the outset, of the inferiority of my qualifications, experience, in my own eyes, perhaps still more in the eyes of others, has strengthened the motives to diffidence of myself; and, every day, the increasing weight of years admonishes me more and more, that the shade of retirement is as necessary to me as the shade of welcome. Satisfied that if any circumstances have given peculiar value to my services, they were temporary, I have the consolation to believe that, while choice and prudence invite me to quit the political scene, patriotism does not forbid it.

"The unity of government which constitutes you one people, is also now dear to you. It is justly so, for it is a main pillar in the edifice of your real independence; the support of your tranquility at home; your peace abroad; of your safety; of your prosperity; of that very liberty which you so highly prize. But, as it is easy to foresee, that from different causes and from different quarters, much pains will be taken, many artifices employed, to weaken in your minds the conviction of this truth; as this is the point in your political fortress against which the batteries of internal and external enemies will be most

actively (though often covertly and insidiously) directed; it is of infinite moment, that you should properly estimate the immense value of national union to your collective and individual happiness; that you should cherish a cordial, habitual, and immovable attachment to it; accustoming yourselves to think and speak of it as of the palladium of your political safety and prosperity; watching for its preservation with jealous anxiety; discountenancing whatever may suggest even a suspicion that it can, in any event, be abandoned; and indignantly frowning upon the first dawning of every attempt to alienate any portion of our country from the rest, or to enfeeble the sacred ties which now link together the various parts.

"For this you have every inducement of sympathy and interest. Citizens by birth, or choice, of a common country, that country has a right to concentrate your affections. The name of American, which belongs to you in your national capacity, must always exalt the just pride of patriotism, more than any appellation derived from local discriminations. With slight shades of difference, you have the same religion, manners, habits, and political principles.—You have in a common cause, fought and triumphed together; the independence and liberty you possess, are the work of joint councils, and joint efforts, of common dangers, sufferings, and successes.

"But these considerations, however powerful, they address themselves to your sensibility, are greatly outweighed by those which apply more immediately to your interest.—Here, every portion of our country has the most commanding motives for carefully guarding and preserving the Union of the whole.

"The North, in an unrestrained intercourse with the South, protected by the equal laws of a common government, finds in the productions of the latter, great additional resources of maritime and commercial enterprise, and precious materials of manufacturing industry.—The South, in the same intercourse, benefiting by the same agency of the North, sees its agriculture grow, and its commerce expand. Turning partly into its own channels the stream of the North, it finds its particular navigation invigorated; and while it contributes, in different ways, to nourish and increase the general mass of the national navigation, it looks forward to the protection of a maritime strength, to which itself is unequally adapted.

"In contemplating the causes which may disturb our Union, it occurs as matter of serious concern, that any ground should have been furnished for characterizing parties by geographical discriminations, Northern and Southern, Atlantic and Western; whence designing men may endeavor to excite a belief that there is a real difference of local interests and views. One of the expedients of party to acquire influence within particular districts, is to misrepresent the opinions and aims of other districts. You can not avoid yourselves too much against the jealousies and heart burnings which spring from these misrepresentations; they tend to render alien to each other those who ought to be bound together by fraternal affection.

"I have already intimated to you the danger of parties in the state, with particular references to the founding them on geographical discriminations. Let me now take a more comprehensive view, and warn you in the most solemn manner against the baneful effects of the spirit of party generally.

This spirit, unfortunately, is inseparable from our nature, having its root in the strongest passions of the human mind. It exists under different shapes in all governments; more or less stifled, controlled, or repressed; but in those of the popular form, it is seen in its greatest rankness, and is truly their worst enemy.

"The alternate domination of one faction over another, sharpened by the spirit of revenge natural to party discussion, which, in different ages and countries has perpetrated the most horrid enormities, is itself a frightful despotism.—But this leads at length to a more formal and permanent despotism. The disorders and miseries which result, gradually insinuate the minds of men to seek security and repose in the absolute power of an individual; and, sooner or later, the chief of some prevailing faction, more able or more fortunate than his competitors, turns this disposition to the purposes of his own elevation on the ruins of public liberty.

Without looking forward to an extremity of this kind, (which nevertheless ought not to be entirely out of sight,) the common and continual mischiefs of the spirit of party, are sufficient to make it the interest and duty of a wise people to discourage and restrain it.

"Of all the dispositions and habits which lead to political prosperity, religion and morality are indispensable supports. To vain would it be to claim the tribute of patriotism, who should be

ignorant of the great pillars of human happiness, these firmest props of the duties of men and citizens. The more politic, equally with the pious man, ought to respect and cherish them.—A volume could not trace all their connections with private and public felicity. Can it simply be asked, where is the security for property, for reputation, for life, if the sense of religious obligation desert the oaths which are the instruments of investigation in courts of justice? And let us with caution indulge the supposition that morality can be maintained without religion. Whatever may be conceded to the influence of refined education on minds of peculiar structure, reason and experience both forbid us to expect that national morality can prevail in exclusion of religious principle.

"It is substantially true, that virtue or morality is a necessary spring of popular government. The rule, indeed, extends with more or less force to every species of free government. Who that is a sincere friend to it can look with indifference upon attempts to shake the foundation of the fabric.

"Promote, then, as an object of primary importance, institutions for the general diffusion of knowledge. In proportion as the structure of a government gives force to public opinion, it should be enlightened.

"Harmony, and a liberal intercourse with all nations, are recommended by policy, humanity, and interest. But even our commercial policy should hold an equal and impartial hand; neither seeking nor granting exclusive favors or preferences; consulting the natural course of things; diffusing and diversifying by gentle means the streams of commerce, but forcing nothing; establishing with powers so disposed, in order to give trade a stable course, to define the rights of our merchants, and to enable the government to support them, conventional rules of intercourse, the best that present circumstances and mutual opinion will permit, but temporary, and liable to be from time to time abandoned or varied as experience shall dictate; constantly keeping in view, that it is folly in one nation to look on disaffected favors from another; that it must pay with a portion of its independence for whatever it may accept under that character; that by such acceptance, it may place itself in the condition of having given equivalents for nominal favors, and yet of being reproached with ingratitude for not giving more. There can be no greater error than to expect, or calculate upon real favors from nation to nation. It is an illusion which experience must cure, which a just pride ought to discard.

"In offering to you, my countrymen, these counsels of an old and affectionate friend, I dare not hope they will make the strong and lasting impression I could wish; that they will control the equal current of the passions; or prevent our nation from running the course which has hitherto marked the destiny of nations; but if I may even flatter myself, that they may be productive of some partial benefit, some occasional good; that they may now and then recur to moderate the fury of party spirit, to warn against the mischiefs of foreign intrigue, to guard against the importunities of pretended patriotism; this hope will be a full recompense for the solicitude for your welfare by which they have been dictated.

"How far, in the discharge of my official duty, I have been guided by the principles which have been delineated, the public records and other evidences of my conduct must witness to you and to the world. To myself, the assurance of my own conscience is that I have, at least, believed myself to be guided by them.

WHAT OUR PEOPLE ARE DOING.

The citizens of Sacramento are going ahead with New Enterprises, a Company has about completed a subscription for Sanitizing Works with a capital of \$25,000, of which \$21,000 has already been subscribed, the Enterprise is a fixed fact.

Julie Factories are now the talk in several places, believing it will be profitable to make our own grain bags instead of importing them, we think it would be still better to grow the material, and thus save importing that.

The Marysville Appeal is showing up some Lottery case, where their people have been swindled to a considerable amount by a "Gift Enterprise," how can the Appeal always advertised Lottery schemes for pay?

A little girl, walking silently by her father's side in a story night, was asked what she was thinking about, and she gave this beautiful answer: "I was thinking if the wrong side of heaven is so glorious, what must the right side be?"

Boys, do you know how to convince another boy that he does wrong? Girls, do you know how to convince another girl that she does wrong? I will tell you how. Do right yourself. It is the best logic in the world.



Horticulture

CRANBERRY CULTURE.

Crucial Fruit for the Garden; the most profitable crop known for Market Gardens and Field Growers.

The success of this fine fruit in upland garden cultivation is now completely established. In fact its cultivation is much more easy, economical and successful in the dry soils of Private Gardens, Market Gardens, and in field culture, than in the usual swampy way in bogs and meadows. It requires no more moisture than is contained in all arable land. The plantations at this establishment are on dry sandy loam, and the yield, the last season, under my improved method of culture was over 400 bushels per acre, or more than double the ordinary crop in meadows. The fruit is larger, darker colored, more solid, and of better quality than the wild fruit, and ripens earlier and more thoroughly, being exposed to the sun and air. It also keeps better. The great danger of being cut off by September frosts is entirely obviated in my method, as the fruit remains in among the leaves entirely protected from the frosts, so that it may remain on the vines till there is danger of the ground freezing. Common early frosts do no injury whatever. Fruit left on all winter is equally good with those "Spring Cranberries" picked in the bogs in April, and so highly esteemed.

The Cranberry is a hardy, trailing, evergreen shrub, found both in swamps and on high land, but is most productive on upland, sandy loam, well enriched. Although it is commonly thought that it naturally grows only in wet land, nothing is more common than to find luxuriant patches of the Cranberry in every variety of upland soil. Cole, in recommending its cultivation in his excellent "Fruit Book," says: "Where a gravelly knoll has been reduced for a road we saw excellent Cranberries growing on dry, hard, and poor soil. On another spot we saw fine fruit by the roadside, on a very poor, dry, hard soil." Heads, "with these cases of good crops under every disadvantage, it would be surprising if Cranberries should not grow well on high land, under good culture."

In England, and in many parts of Europe, according to London, our American Cranberry has been grown in gardens for nearly two centuries. A recent correspondent of the *Genesee Farmer* says: "My Cranberry garden is on sandy loam. Before being cleared it was timbered with hemlock, beech, and maple; after being cleared, the natural growth was sorrel, June grass, and white clover. When cultivated, it produced good crops of potatoes and oats. My opinion is that almost any soil that is not inclined to grow over without seedling, will grow full crops of Cranberries. I prepare the ground by plowing deep, bringing as much of the subsoil on top as I can. Harrow and work as for corn."

A writer in the *Maine Farmer* says his crop grown in 1863, "was at the rate of 453 bushels per acre." Other statements of the kind by experienced cultivators, may be constantly met with in the leading horticultural journals, showing how rapidly the cultivation of this plant is extending.

Garden Cultivation.—Prepare the ground, by deep plowing or spading, and enrich it well in the usual way, or with a compost of two parts swamp mud and one part wood ashes. Bone dust is an excellent application, say one pound to the square yard. In April, May, or June, or in October and November, set the plants four inches apart, in rows six inches asunder, in beds four feet wide. Two square rods will yield four or five bushels, and require 2,000 plants. The vines will soon cover the ground and require no renewal, as the plant is a perennial shrub. The Cranberry is one of the best plants for garden edging, or for broad belts or borders for the principal walks. It is easily trimmed and kept in order, and is always attractive, in bloom or in fruit, and being an evergreen in winter.

For Market Gardens and Field Culture.—Prepare the ground by thorough plowing and manuring as in garden cultivation. New and virgin soils will not require any dressing. During the months of April, May and June, or in October and November, set the plants one foot apart in double rows, three feet asunder. The double rows are to be four inches apart, and the plants should be set as a hedge, thus:

There being nearly three feet space between the rows, the ground can be kept clean by the horse-hoe, at small expense. In a year or two the ground will be sodded over, when further cultivation will be unnecessary. Thirty thousand plants are required per acre. The usual crop on old exhausted soils appears to be about 400 bushels to the acre. I have no doubt, however, that on new and fertile soils, the yield could be easily carried up to 600 bushels, or even 800 bushels. As the fruit is worth \$3.00 to \$4.00 per bushel, it is the most profitable fruit crop grown.

For Swamp Culture.—The mode of planting is the same as above; but of course the preparation of the ground must depend upon the condition and character of the swamp. The great point in swamp cultivation is to make the land as dry as possible. Mr. Phinney, in his excellent paper, in the report of the Secretary of the Board of Agriculture for 1863 says: "If the ground can not be drained at least eighteen inches below the general surface, the situation must be rejected." It is much better to plant on dry ground and avoid the heavy expense of drainage.

The True Cape Cod Variety, is by far the best in cultivation, and succeeds best in uplands. There are several sorts in the market known as "The Bell," "The Cherry," and many other fancy names; which do not compare with this in real, practical value.

Propagation is simple and easy by layering in August. Cover the new rapidly growing vines with an inch or two of soil, and they root at once, making perfect growing plants for the next season. It is an easy plant to transplant, and is entirely hardy in the coldest climate, without covering.

Gathering the Crops.—In September or October, before cold weather, the crop may be raised by the common Cranberry rake, or gathered by hand. Children can earn \$5 to 75 cents per day by picking them, at one cent per quart.

For Fall Planting.—October and November are the

best months. Prepare the ground well in September, and set the plants as above directed. Before winter set in protect by plowing a furrow directly over the plants, and in garden culture by strewing dung or leaves, &c., over them. When well established, however, they need no covering.

TO DESTROY INSECTS.

Hot alum water is a recent suggestion as an insecticide. It will destroy red and black ants, cockroaches, spiders, chitin bugs, and all the crawling pests which infest our houses. Take two pounds of alum and dissolve it in three or four quarts of boiling water; let it stand on the fire until the alum disappears; then apply it with a brush, while nearly boiling hot, to every joint and crevice in your closets, bedsteads, pantry shelves and the like. Brush the crevices in the floor of the skirting or mop-board, if you suspect that they harbor vermin. If in white-washing a ceiling plenty of alum is added to the lime, will also serve to keep insects at a distance. Cockroaches will flee the paint which has been washed in cool alum water. Sugar barrels and boxes can be freed from ants by drawing a wide chalk mark just round the edge of the top of them. The mark must be unbroken or they will creep over it, but a continuous chalk mark half an inch in width will set their depredations at naught. Powdered alum or borax will keep the chitin bug at a respectable distance, and travelers should always carry a package of it in their hand bags to scatter over and under the pillows in places where they have reason to suspect the presence of such bedfellows.—*Journal of Chemistry.*

THE AGE OF PRESIDENT WILDER.

A Boston paper before us contains accounts of a pleasant surprise party on the occasion of Mr. Wilder's seventy-fifth birthday. Notwithstanding his age, he seems as active as ever, judging by a speech he made in another paper, on his re-election to the Presidency of the New England Genealogical Society. In this he took occasion to commend heartily the great Centennial Exposition, towards which horticulturalists generally seem to be working as zealously as any class in the community.

THE OLDEST HORTICULTURAL SOCIETY.

Some newspapers have taken Mr. Wilder to task because he said the Pennsylvania was the oldest Horticultural Society. New York Horticultural Society is said to be the oldest, founded in 1820; but the claim of the Penna. Society is, that it is the oldest existing one. Mr. Wilder is right.

STRAWBERRY CULTURE.

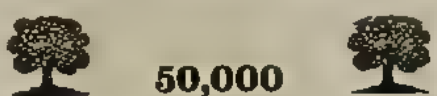
A strawberry grower states that to two barrels of rain water he put one quart of a pound of ammonia, and one quart of a pound of common nitre, and with this solution he sprinkled his strawberry beds every night when blossoming. The result was double the amount of large strawberries to that just adjoining not so treated. Try it.

PROTECTING TREES FROM RABBITS.

A correspondent of the *Cincinnati Gazette* gives the following: We prevent rabbits from barking our fruit trees by tying, like a boy's comforter, a half inch strip of muslin to the body of the tree about fifteen inches above the ground, leaving the ends to move freely. This plan of a "rabbit scare" has protected our young orchard for several years.

Dr. Hooker.

Dr. Hooker, the distinguished botanist, has been elected President of the Royal Society, the highest honor, probably, that science in England has to bestow.



EUCALYPTUS

TREES.

Encalyptus Trees 8 to 10 feet high,

Trees 6 to 8 feet high,

Medium Trees 4 to 5 feet high,

Third size 3 to 5 feet high,

Second size 2 to 3 feet high,

The Mass size 1 to 2 feet high.

These Trees are of a good Healthy growth, and can be packed to go any distance safely and will be sold low in large lots.

Address, for call at the
40.12 FARMER OFFICE.

THE PHOTOGRAPHIC

SUN PEARL

AND

ART GALLERY,

526 MONTGOMERY ST.,

CORNER OF CLAY,

SAN FRANCISCO.

MESSRS. W. F. & N. J. BAYLEY,

HAVING REMOVED FROM

18 and 620 Washington Street,

Having opened, under the above name, a First-class Photograph and Art Gallery, to which they would kindly call the attention of their many friends and the public in general.

THE GALLERY

is fitted in the most elegant style, and a number of first-class artists are engaged, who will enable the undersigned to produce Photographs and Pictures not to be surpassed by those of any other similar institution.

Our Motto shall be, "First-class Work and Moderate Charges."

W. F. & N. J. BAYLEY,

40.7 526 Montgomery Street, corner Clay.

Alfalfa! Alfalfa!!

Those who intend to Purchase and Plant ALFALFA can have Samples of the different kinds sent to them with prices of each, and full direction for

SOIL, CULTURE,

TIME OF PLANTING

CURING, &c., &c.

with valuable data, by sending to the

Farmer Office,

320 Clay St.,

SAN FRANCISCO.



The Fourth Number of VICK'S FLORAL GUIDE for 1873, containing Description of HYACINTHS, TULIPS, LILIES and other Hardy Bulbs for Fall Planting and Winter Flowering in the House, is now published. 25 cents pays for the GUIDE a year—200 pages, 500 Illustrations. Full Number 5 cents. First number for 1874 will be ready to mail Nov 15th. It will contain 140 pages, 300 Illustrations, and a beautiful colored plate. Address, 39.23 JAMES VICK, Rochester, N. Y.



Real Estate to Exchange.

A good located pleasant Residence is wanted in the Country of some

Ten to Twenty Acres

with Rural Surroundings, Woodlands, Rolling Lands, good soil for Orchard and Garden, neat and pleasant Buildings. For these good and valuable Real Estate, pleasantly located in a good part of the City will be exchanged.

Address G. W. B., FARMER OFFICE.
39.17

CHEESE CURD CUTTERS

Of all Sizes,

FOR SALE AT THE OFFICE OF THE

California Farmer.

SEED WAREHOUSE

WHOLESALE AND RETAIL,

409 & 411 Davis st., cor. Washington & Jackson

J. P. SWEENEY & CO.,

Seedsman & Florists,

Dealers in all kinds of

Farm, Garden, Vegetable

AND

FLOWER SEEDS.

ALSO

FRUIT TREES ORNAMENTAL TREES, GARDEN

SHRUBS AND FLOWERING PLANTS

Having been constantly engaged in the SEED TRADE for TWENTY YEARS, we claim to know the wants of the Farmer, Gardener and Florist, and it is our aim to always have the most complete, extensive and reliable Stock of Seeds to be found in the State, and such as we can always

GUARANTEE TO OUR PATRONS.

We offer them this season all the new and desirable kinds in large and small lots as they desire, and our prices and terms shall always be satisfactory.

FOR OUR FARMERS.

WE OFFER THEM THE BEST

Onion, Cabbage, Beet, Turnip,

Parasip, Carrot, Celery, Peas,

Beans, Corn, &c., &c.

WE ALSO OFFER THEM THE BEST

IMPORTED

GRILL CLOVER OR ALFALFA—FRESH.

AND PURE

CALIFORNIA ALFALFA.

Our Sales of this Famed Clover was very large in 1872.

CHOICEST GRASS SEEDS.

Kentucky Blue Grass,

Timothy, or Herd Grass,

Orchard Grass, Rye Grass,

and Red and White Clover.

Our Collection of FLOWER SEEDS and all Small Seeds is complete.

Tree Seeds, all Desirable Kinds.

We invite all Seed Buyers, whether Wholesale or Retail to call at our establishment, and we feel assured we can supply and please them.

J. P. SWEENEY & CO.,

409 and 411 Davis Street,

40.8 San Francisco.

C. GROEZINGER,

DEALER IN

NATIVE CALIFORNIA

Red and White Wines,

Brandies, Port, Sherry, An-

gelica, Etc.

Northwest corner of Battery

and Pine streets,

SAN FRANCISCO.

NEW

Bulbous Roots--Seeds.

The undersigned have just received a new and fresh Invoice of Bulbous Roots, Hyacinths, Tulips, Narcissus, Jonquils, Crocus, Anemones, &c.—all the best and choicest kinds. Also

HYACINTHS VASES AND GLASSES.

ALSO

New Seeds, in full assortment for Garden and Field in all their variety.

W. R. STRONG,

American Seed Store,

40.9 J Street, Sacramento.



GARDEN GROUNDS LAID OUT.

THOSE WHO WISH THEIR GARDEN Grounds renewed and repaved or those who desire to have Grounds Dug and laid out upon Scientific principles, and with correct taste and skill, as

Adapted to this Climate,

can have this work done to their satisfaction by calling at this Office, where all the best works on Gardening can be found, and where the various Styles, both European and American, can be seen. Grounds of any extent, from

ONE THOUSAND ACRES

to small Gardens, in our City, will be designed and laid out, and the Trees, Plants, Shrubs, Vines and so on supplied of the very best variety and reliable quality, and the work done to complete satisfaction, by calling at the Office of the CALIFORNIA FARMER.

None but Educated men ever engaged in such work.

Address WARREN & CO.,

Farmer Office.

COMMISSION SALES-ROOM

—AND—

Purchasing Agency.

Having had too experience of over thirty years in dealing in Trees, Plants, Seeds, and Agricultural Implements we feel that we are fully competent by our experience in purchasing such articles to make a saving of from fifteen to twenty-five per cent for the great mass of purchasers. We will therefore offer to make purchases for all who wish our services, of any of these articles named, or for any articles of merchandise for our Farmers or Ranchmen, and ship the same as they should direct.

In order that we may do their business in the most satisfactory way for their and ourselves, we shall wish that all who send orders should be as explicit as possible as to their wants—describing as minutely as they can; and when they desire our judgement we will favour them to suit them.

Our charge will be five per cent, together with the cost of packing, freight, drayage, etc. Orders should include a satisfactory reference or the Cash; or bill could be sent by Express, to be collected on delivery.

We shall be happy to attend to the purchase and shipment of Trees, Seeds, Plants, etc., as this is our special business and we know we can satisfy all who may entrust us with their favors.

We particularly call attention to the following

THE POTATOE PLANTER,

JEBBS' PATENT OURN,

CHEESE CURD CUTTER,

PATENT 'WEEDING' HOE,

WITH OTHER VALUABLE IMPLEMENTS.

Every kind of Implement will be purchased to order and shipped promptly, thus saving the expense, and the time of a visit to the city.

TREE SEEDS

OF ALL THE VALUABLE KINDS:

ALSO

TOBACCO SEED,

COTTON SEED

COFFEE SEED.

TEA SEED

THE BEST KINDS OF

FIELD, GARDEN, FLOWER,

Fruit and Ornamental Seeds.

The Seeds and Colored Plates can all be seen at the Reading Room of the Farmer Office, where directions will always be cheerfully given as to their cultivation.

FLOWERING BULBS.

RARE AND CHOICE KINDS

Each and all in their Season.

PERPETUAL FLOWERING ROSES

Of the best kind

GREENHOUSE AND BEDDING PLANTS.

These are grown at our residence under our own care where they always can be selected.

Any one desirous of having their Gardens look gay throughout the season, can be furnished with the plants at a reasonable rate, by applying at this office.

Every information given as to the cultivation of Plants, raising of Seeds, etc. Also respecting the mode and the system of Pruning all varieties of Trees, etc.

Gardens and Grounds designed and put in order, and every article furnished for the same.

A large Library of Floral Works can always be found at the Reading Room and Museum, which are free to all for reference.

WARREN & CO.

THE TRAVELER'S GUIDE

HOTELS ON THE TOURIST'S ROUTE.

With a wish to promote and encourage extensive Traveling over our Glorious State, we shall point out to the Traveler on the leading routes the Best HOTELS, and the most commodious and comfortable Houses for those who Journey for Health, Pleasure, and Knowledge.

The following are the Best Hotels on the principal leading to the Geysers, to Sacramento, to Stockton, the Big Trees, Yosemite, the Almaden Mines, and the most beautiful region around our city—we can truly commend them to whom we speak from a personal knowledge, and shall speak of these and others from time to time as occasion requires.

THE GEYSER ROUTE.

Via Steamer and Railroad.

The Napa Hotel..... Napa City.

Callotoga Hotel..... Callotoga.

BIG TREES OF CALAVERAS.

Via Western Railroad and Copperopolis.

Yosemite Hotel..... Stockton.

TO THE CAPITAL—SACRAMENTO.

Via Steamer and Railroad.

Golden Eagle Hotel..... Sacramento.

SAN JOSE, ALMADEN MINES, &c.

The Australia Hotel..... San Jose.

SANTA CRUZ AND THE BEACH.

Pacific Ocean House..... Santa Cruz.

BIG TREES OF MARIPOSA.

Via Stockton by Railroad and Stage.

Clark & Morse's Hotel..... Clark's Station.

YOSEMITE VALLEY.

Hutchings' Hotel..... Yosemite Valley.

MARIN COUNTY.

Marin Hotel..... San Rafael.

Travelers who are strangers can rely, that at these Hotels they will ever find the best and kindest attention and courtesy, and will never be imposed upon by exorbitant charges.

SEEDS FOR DISTRIBUTION FREE.

The Subscribers to the FARMER know they can always obtain many Choice Seeds of us free of charge at all months or weeks of the year—this is our custom; those who are in want should always call when in the city, we shall be glad to see them at our Reading Room, always open and free to all.

THE CALIFORNIA FARMER, SAN FRANCISCO.

THURSDAY EVENING, FEB. 10, 1874.

THE CALIFORNIA FARMER READING ROOM, AND
MUSEUM OF NATURAL HISTORY.

305 Clay Street—Marble Building—Up Stairs
FARMER'S HEADQUARTERS—FREE TO ALL.

The Editorial Rooms and Museum of the Farmer
are always open, and an attendant ready to make
such instructions to those who take an interest in the
production of our State. Samples of all productions—
Grains, Fruits, Models, Inventions, Minerals,
and specimens in Natural History innumerable, are
constantly being added.

FARMER'S READING ROOM

Farmers and mechanics, from the country, who visit
San Francisco, should visit the Free Reading Room and
Museum of the Farmer's Office. Members of the Press
and Strangers are particularly invited to avail them-
selves of these rooms. Newspapers from every State in
which we have access by mail, as well as Foreign News-
papers, Periodicals, and Magazines are upon file and
on the tables for use; a Good Library of hundreds of
volumes, with works illustrative of Agriculture, Horti-
culture, and Floriculture, works for reference upon all
Sciences with a Cabinet of Minerals, Coins, and Curio-
sities of interest to the Naturalist, to which we invite all
TERMS OF ADVERTISING.

The charges for advertising in the CALIFORNIA FAR-
MER, payable in advance, is TWO DOLLARS for five
lines or less of space, in Nonpareil type, for one inser-
tion, twenty cents a line for any larger space. Each
subsequent insertion half the first. This is believed
to be the cheapest and best medium of reaching the
Agricultural community on this coast. As heretofore the
right is reserved to reject any advertisement deemed ob-
jectionable.

SAMPLE COPIES.

Those who receive a number of the FARMER with
this paragraph marked, may understand it is sent to
them for their examination, hoping our paper will meet
their approval and induce them to subscribe, and to ask
their neighbors to subscribe also.

For Sample Papers and get up a club. Address
PUBLISHERS CALIFORNIA FARMER,
San Francisco, Cal.

W. S. M. PRITCHARD & Co., 10 State Street Bo-
ne Park Row, New York, and 701 Chestnut Street,
Philadelphia, are our Agents for procuring advertise-
ments for THE CALIFORNIA FARMER in the above
cities, and authorized to contract for advertising at our
lowest rates.

Editor's Chair.

Here we shall hold our special weekly chat with
our Readers and Correspondents, and here we shall
attention to such articles in each issue of
our journal, to which we would direct their special
attention.

THE SILK INTEREST.

The concluding part of the Valuable Letter of Mr.
Gillet, on Silk Culture, will be found of interest to all
who wish well to this cause—his new kinds of Mul-
berry trees and silkworm eggs can be had of him. See
his Card.

INVESTIGATION.

The matter for investigation is abroad in the air,
and from our State University to every theme in Poli-
tics and Offices over the land, investigation is the
name.

Public Schools of Oakland.

We are indebted to the Superintendent of
Schools at Oakland, for a copy of the Third An-
nual Report of the Public Schools of that City.

The Volume comes to us illustrated with fine
School Building in handsome style, with a full
report on all the Schools, their Conditions, num-
ber of Pupils, Board of Education, &c.—a most
creditable work. We return thanks for the
volume.

We return our acknowledgements for the Val-
uable Volumes of the "Annals of the Lyceum of
Natural History," of New York. These contain
a series of Drawings of great merit and value to
Science—several of them superbly done.

The Overland Monthly, for March, is one of the
best numbers that has appeared. We are glad to
note the growing interest, and the steady im-
provement in this Old Own Month Magazine, it
should have a liberal support.

CATALOGUES.

We have a handsome Illustrated Seed Catalogue
from James Fleming, Seed Merchant and
Grower, Nassau street, New York.

We have the New Seed Catalogue of the Cele-
brated Seed Establishment of J. M. Thorburn &
Co., New York, originated by the Renowned
"Great Thorburn," known as "Lawrie Todd."

We have the Annual Seed Catalogue of A.
Chance & Son, of Red Bank, Monmouth, New
Jersey.

We have the valuable Seed Catalogue of B. M.
Watson, Esq., the Popular Nurseryman and Seed-
man of Plymouth Mass., whose Card appears in
our Columns this week.

THE "CITY OF MELBOURNE."

This is the name of the Second Steamer, in the
"Australian Line," a splendid Steamer, which leaves
our port on Saturday next.

Messrs. J. C. Merrill & Co., have done a noble work
in establishing this Line.

Mechanics' Institute.

21 POST STREET.

Series of Fifteen Lectures on Popular
Science

BY THE

PROFESSORS IN THE STATE UNIVERSITY, COM-
mencing Saturday Evening, January 31, 1874, Tickets
for the Course Two Dollars. The number of tickets being
limited, applications should be made at once to the Librarian of
the Mechanics' Institute.

Andrew Jackson was accused of bad spelling,
but John Randolph defended him by declaring
that "a man must be a fool who could not spell
words more ways than one."

WASHINGTON'S WRITINGS.

We shall commence in our next issue the valu-
able and interesting Letters of GEORGE WASHING-
TON upon Agriculture, written in 1796, giving a
picture of his Love of this great science, these Let-
ters will embrace his Letters to Sir John Sinclair,
with a sketch by Washington of our different
States as the best place for European Emigrants,
with his views of each State and their different
capacities.

Having in our possession these valuable docu-
ments, together with his full accounts with the
United States, his expenditures during the War
from 1776 to 1783 we shall give a very interesting
History, worthy of a careful reading, and a care-
ful preservation.

We give on our Front Page a part of his Fare-
well Address worthy attention now.

THE SEASON AND PROSPECT.

The Storm will soon pass away and one of the
most glorious seasons ever vouchsafed to Califor-
nia will usher in a general Prosperity.

It has indeed been a long and dreary season, by
reason of the steady continuance of the Storm
King, but it is all for the permanent benefit of
the great Agricultural interests of our State,
there is no one interest but what will be greatly
benefited, surely the Grain Grower can rejoice,
and so can the Orchardist, Vineyardist, and Hop
Grower, our Stockmen can also rejoice, for it will
secure them an abundant harvest of Grain, Hay,
and Grass feed, all the various Tillers of the Soil,
the Vegetable Grower, the Nurseryman, the Poul-
try Raiser, all these interests are greatly bene-
fited, by reason of our abundant rains.

Our Mining interests will be nearly doubled by
the abundant supply of water for Hydraulic uses,
our Lumber men, too, on the streams will be
gainers, so that all these valuable interests can
sing Praises to the "Giver of all Good,"
that opens up to our State and her people such a
goodly prospect for the coming years.

LOSS OF CATTLE AND SHEEP.

The continuance of our wet Season will com-
pel many of our Stock Men and our Farmers in
all branches, to take the bitter with the sweet.

Great and universal as has been Blessings of
the Rainy Season this year for California, we
must bear in mind that in this world there is no
unmixed Good, shadows must come with the
brightest of sunbeams, and therefore by such a
glorious Rain as we have had for our dry coun-
try, somebody must be caught by the rains.

The loss, however, is as nothing to the Great
Good that must come to our State.

In the loss of Stock we are confident that the
greater part of this loss could have been avoided
if proper means had been used. This means was
Sueller and Food, rarely is it in this country
where there is no remedy. Shelter could be pro-
vided for cattle and sheep, and a few acres of
Estate Baga, Mangel Wurzel, or Sugar Beet,
would have fed the suffering Stock and warmed
them into life, but the fear of a little work in the
planting and growing of these prevented, and the
Result is Loss.

DEEP CULTURE.

Wherever the land in this State has been deep-
ly plowed, the hardpan broken, or the land sub-
soiled or drained, the Crop will not suffer, but
will now grow freely. A good drainage to our
land is as important as the rains. The present
year will fully test all the various plans of cul-
tivation, and more especially prove the value of
the "Summer Fallow," and the Subsoiling, and
also of early Dry Plowing.

One thing is now very certain, there will be
an immense acreage of grain this year, and the
long rains will induce to a very large increase of
sowage to the very latest moment, the quantity
planted will be fully fifty per cent. over last
year.

FARMERS' ACCOUNTS.

We have often urged our Farmers to keep
full Records of all their farming operations—
keep them in full detail in every department of
their labor. The number of acres of their farm,
when and how cultivated, the crops put in, their
Stock, of all grades, the cost of all purchases,
the value of Stock, produce of all kinds, Labor-
ers accounts, Family and Farm expenses in all
detail, the weather accounts with every detail,
so as to know what is profitable and what is
not. Such a Record would be of great value to
every Farmer.

A new Book for such a Record can be seen
at our Office, which we shall be glad to explain
and recommend to all.

SEEDS FOR SACRAMENTO VALLEY.

With the coming of good weather, Garden and
Field Seeds will be in demand in the Sacramento
Valley.

Messrs. A. H. Cummings & Co., corner of J &
Second Streets, Sacramento; have laid in a good
supply, and the Farmers and Gardeners can al-
ways be fitted to all their wants.

Messrs. Cummings & Co. are also the largest
Porchers and Shippers of Fresh and Dried
Fruits and Vegetables in our State over the Rail-
road East; they are liberal to the Farmers and
Producers, and must be well patronized.

STONE GARDEN BORDERS.

We again remind our Readers, those who are
laying out Gardens, that the very neatest, best,
most durable and cheapest Garden Borders is the
Stone Bordering made by the "Pearl Stone Co.,"
on Blum street. These Borders last a life time;
are made of every pattern to please, and cost but
a very little a running foot—they are indeed valu-
able.

If you want a new shoe to fit as easily as an old one
put on two pairs of stockings before your measure is
taken.

A GRAND PLOW MANUFACTORY.

("When I see an Industrious man I see a Prosperous man.")

This good maxim quoted will always be found
true, and when we see a Firm of Working men
truly Industrious, then we are sure of the true
signs of Prosperity, and such we witnessed on a
late visit to the very extensive Plow Manufac-
tory of

Messrs. Matteson & Williamson, Stockton.

After being shown over the works by Mr.
Matteson, and carefully viewing the active work-
ings of about forty men at all the various
parts of the numerous kinds of Plows, now pre-
pared by the best and most costly kind of ma-
chinery that great minds could design, we could
not help reminding Mr. Matteson, (who is the
Pioneer Plow Maker in this region), of a visit
we made him about Fifteen Years ago, when he
was making Plows with only a workman or two,
and then contending against the Importation of
Plows, trying to earn his way in "Home In-
dustry."

We remember well how hard the struggle
then, but Industry has Won, and now Mr. Matteson
and his Partner have one of the largest and
best furnished Plow Making Establishments on this
Coast, and doing a large and prosperous business
which we are glad to herald, as it is the just re-
ward of long years of toil and steady persever-
ance.

Messrs. Matteson & Williamson have introduc-
ed into their workshops the following New and
Costly Machinery:

"A Trip Hammer" of great power for planing
and drawing out Plow Moulds. Every blow more
than equal to a 40 lb. Hick. This machine cost
\$500.

"A Power Press Drop" for Sharpening Plow
Moulds. Every drop of this machine is like the
report of a Gun. The cost of this machine is
\$750.

The third Machine we examined was a New
Machine for shaping the edge of the Plow Mould,
called a Plow Jointer—a valuable invention,
costing \$500.

The most costly and valuable was the New
Shears for Cutting Moulds. To show its great
power we need only say it would easily cut
through a heavy steel Plow Plate of 15 inches
long. This machine cost \$1000.

Here we make a record of four pieces of Ma-
chinery for Plow Making, costing nearly \$3000—
what a contrast was this to the scene we describ-
ed of our visit to Mr. M. in early years, when his
whole stock in trade was not the cost of one of
these machines, and in this workshop too we
found 35 workmen, and 15 more in the Foundry
and Pattern Shop, making 50 men in employ—a
busy scene—denoting great success and prosper-
ity, not only in those most industrious and de-
serving men, but a proof of great prosperity in
the Farming interest also, that sustains so Grand
a Workshop.

A further proof we had in seeing the Plows
moving off in the Farmer's Wagons, and in the
fact we saw of the sales of one day, being Nine
Sulky Plows, and Twenty Gang Plows—this
surely is a proof that

INDUSTRY SHALL PROSPER.

THE PLOWMAN'S BEVERAGE.

We think we can recommend to those who are
now at work in the Seeding Field, Plowing and
Sowing their Grain or other Crops, a Beverage
that will be found far better for them than Ale,
Beer, or strong drinks of any kind—a drink too
that will give them a greater refreshing, and
relieving the thirst better, and at the same time
actually give them additional strength to labor.

The Beverage which we recommend is Pinole
Lemonade. This drink is easily made, cost but
a trifle, and is truly a valuable drink. It is
made from the famed Astor Pinole, and made
as follows:

To a Gallon of water add a quarter, or a
half pound of the Pinole, thicker or thinner to
please the taste, to this the juice of two Lemons
and the drink will be found the most deli-
ciously nourishing that possibly could be made,
while the cost for one gallon will be less than
ten cents.

We recommend this Beverage for all laboring
men as worthy of a trial.

Pinole is sold at the Groceries at 25 cents 3
pound papers.

GOOD PORK.

"A newspaper in Southern California advises
greater cultivation of the Fig tree because the
fruit is so good for hog feed. An acre of figs
will fatten more hogs than will an acre of corn.
All that is necessary is to stick a fig cutting in
the ground, and in three or five months the plant
will bear fruit—three crops a year—and in three
years the tree attains the size of a twelve-year-old
apple tree."

Yes, in a few years the Fig Tree will become
like our Giant Oaks, and yield barrels of Fruit
every year and two or three crops.

There is certainly a new feature in Fig Fed
Pork—it would be the Sweetest Pork, and there
would be no fear of "Trichina." Who among
our Farmers will bring the first Fig Fed Pork to
Market.

NEW AGRICULTURAL WAREHOUSE IN SACRAMENTO.

We learn that Messrs. M. O. Hawley & Co., are
soon to open a large and spacious Agricultural
Warehouse in Sacramento City, and to stock it
with the most complete and best implements
ever yet offered in that City.

Messrs. Hawley & Co., have taken the lead in
this business in our State for the last two years
and have done a large and prosperous trade.

It is necessary sometimes to refrain from questioning
our friends, that we may not draw from them what we
ought not to know, and especially that we may not tempt
them to deceive us.

BEST FRUIT TREES TO PLANT.

In continuance of the best kinds of Fruit Trees
to plant which we gave two weeks ago, we here-
with give a list of Stone Fruit Trees. We do
not give every variety named in the numerous
Catalogues of Nurserymen, because our object is
to give the very best with reference to Marketing.
Fruit such as will carry well and always bring
the best prices at market.

N. B. Abbreviations for Character:

ea. early, la. late, r. red, w. white, y. yellow,
d. dark, g. green, p. purple, f. freestone, c. cling-
stone.

PEACHES.

Coolidge's Favorite,	ea. r. f.
Early Ann,	ea. w. r. f.
Early York,	ea. p. r. f.
Early Crawford,	ea. y. r. f.
Gross Hibernia,	ea. y. c. f.
Royal George,	ea. p. g. s. f.
Late Malacatan,	la. y. r. f.
Crawford's Late,	la. y. c.
Lemon Oligatione,	la. y. c.
Blood Peach—for preserves,	la. d. c.
Snow Peach—tender,	la. w. f.

APRICOTS.

Large Early,	ea. y. r. oval
Breda,	ea. c. roundab.
Moorspark,	ea. y. r. roundab.
Musck,	ea. c. r. round.

NECTARINES.

Boston—very best,	ea. h. g. r. f.
Elruge—Green flesh,	ea. p. g. r. f.
Golden,	ea. y. r. c.

PLUMS.

Bolmar's Washington,	ea. y. round f.
Oce's Golden Drop,	ea. y. oval c.
Green Gage—very best,	la. y. g. round f.
Jefferson,	la. y. c. oval f.
Prince's Imperial Gage,	la. y. oval f.
Lombard,	la. p. round c.
Orleans,	la. p. round f.
Yellow and Purple Egg } Very large for Pro-	
Magnum Bonum, } serves.	

Continuation of our list in our next.

THE VASCO DE GAMA.

THE EUROPEAN STEAMERS TO CHINA AND JAPAN.

This Splendid Steamer belonging to the English
Line of Steamers, just established between this
City, China and Japan was made ready for inspec-
tion of citizens yesterday and a goodly number
of Merchants and their Ladies, and many citizens
visited the Steamer, viewing the finely furnished
Saloons and Sleeping Berths, State Rooms, &c.

This Steamer has been prepared with special re-
ference to safety, speed and real comfort of Pas-
sengers as well as space for a good cargo. We
noticed a large number of Boats swung at their
places, over the railing, ready for use if ever need-
ed, there is a general saloon on deck, and Officers
State Rooms, also.

The Steamer is richly furnished and decorated
with scenes of the Yosemite and other paintings.

This Line is now under the control and man-
agement of the House of Macdonald & Co., whose
long and extensive business with the trade of
China and Japan, make them specially fitted to
manage this line.

The name of Macdonald has been one always
honored from the earliest days of California His-
tory, Capt. F. W. Macdonald was known world
wide, and as widely known, so as widely respected
and honored as a Ship Master, Merchant and Offi-
cer, clear headed and far seeing as he ever was,
he little dreamed when he established the Firm
that when his labors were fulfilled, and his mantle
rested on his sons and successors, that a Powerful
Line of Steamers would be established between
China and San Francisco, and their Head Quar-
ters and control be the "House of Macdonald &
Co." but his Name and his Fame and Memory
are worthy of it, and his noble spirit can look down
and bless those that come after him.

A very handsome and liberal repast was pre-
pared in the Saloon, to which Mr. Macdonald
most courteously invited all those who visited the
Ship to partake, and to which ample justice was
done, and the best wishes of all, tendered for the
success of the Line, this Steamer leaves on Sat-
urday.

FARMERS' WAGONS.

The "Farmers' Wagon" is one of the grand and
important right hand implements for the Farmer's
use, with his wagon he conveys his general pro-
duce to Market and his purchases Home again,
and with it his general work in the field and
around home, he must have a Wagon to do his
work well.

There has been many kinds of wagons brought
to California, and many made here, for the sale is
very large.

The different Agricultural Stores all claim they
have the best.

The leading kinds are the Studebaker, Michigan,
Whitewater, Brass Band, and some others, but
the Studebaker has been the most successful in
Sale, which has been immense; the Agent for this
State, B. E. Ames, Esq., made Sales of about 800
last year, and the trade and demand is increasing.

We have received the Illustrated Catalogue of
the famous Establishment of the Studebaker
Bros. at the East, it is a Princes Establishment,
of which we shall give particulars soon.

Mr. E. E. Ames has now made some valuable
improvements upon the original wagon at his
Manufactory, and is now making large sales,
claiming it to be the very best wagon offered on
this Coast, purchasers are invited to call and
see.

Mr. Ames' Catalogue we received is a splen-
did one.

When a bit of ostrich feather is found in a Hos-
band's beard by his wife, no one can blame her
if she is down on him.

GENERAL JOHN A. SUTTER.

We rejoice to make a record of the fact that our
Legislature have again passed the Bill to give to
this Noble Old Pioneer the usual Pension of \$3000
per month for the next two years.

This is Right, this is Just, and we rejoice to
know there were many warm hearted Legislators,
who plead for Justice, and who defended the Right,
and while we regretted to notice others who op-
posed this act on the ground that there were other
Early Pioneers who also were liberal to emigrate,
there never was a parallel case, to that of Gen.
Sutter.

We know that many of the old settlers which
were here in those times were Hospitable to all,
that was their usual custom, and we honor them
for it, but none of these furnished their Own
and Stock to our Troops as did Gen. Sutter, and
for which he was never paid, none other ever had
a Fort or Oldadell to welcome the Stranger as did
Gen. Sutter, and no one was ever so prodigal in
their bounty and care of the Stranger as was this
Old Pioneer.

We know of what we speak, for we were then
Mining at Mormon Island, and doing business
also at Sacramento, and often passing and re-
passing the "Old Fort," and we constantly
reminded of his most noble generosity to des-
tinate Emigrants whom we often met on the road
who had been fed, clothed and cared for most
generously by Gen. Sutter. These all testified to
his goodness, and we must therefore rejoice in
knowing our State has not failed to be just to
one so eminently deserving of this Token of Res-
pect from the State he has greatly aided in mak-
ing it one of the most Renowned, Wealthy, and
Prosperous in the whole Union.

GIGANTIC ROSES.

California has very justly boasted of her Gigan-
tic Trees, her lofty Mountains, her Gorgeous
Sandy Valley, her lowering Waterfall, her
Grainfields, Orchards, Vineyards, Gardens, &c.,
and we now can boast of her

Giant Rose Vines.

Sometime since when at San Jose we paid a
visit to the fine Garden of Jackson Lewis, Esq.,
the well known citizen and watchmaker of that
place, who is also an Amateur Florist of excellent
taste and ability, who has a fine residence and
makes it a point to have all the Choice Gemma
his grounds, and to see them well cared for too.

Mr. Lewis has a great conservatory also, with
many rare and curious plants—in fine growth.
We found at these grounds immense Climbing
Roses, of many years growth, and at that time in
full bloom, counting by the thousands, we noted
a General Lamouque then 12 years old and 31
inches in circumference at the base, at four feet
from the fork of many branches, these branches
measured over 15 inches in circumference and
were nine in number, these covering a space of
1,000 square feet.

There was also a Obromotella Rose measuring
12 to 15 inches girth, and covering 600 feet, and
rich in its gorgeous blooms, there were other fine
Rose trees, (Standards), in the grounds, but these
were the Giants, and worthy of record—no other
surpass or even equal them.

LOUIS FERDINAND CYPLOT.

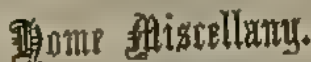
"Death is the crown of life,
Were death denied, poor man would live in vain,
Death wounds to cure, we fall, we rise, we reign."

How uncertain is life, and yet with what tenacity we
all cling to it, hurrying on in all the great plans of life,
as if it were not to end without due notice, but alas!
"In the midst of life, we are in death."

A few weeks since, he, who bore the name we have
written above, was in the full enjoyment of life, with
happy surroundings, in active business life, in a respec-
table position, and looking forward with a good prospect
of a prosperous future, how changed the scene, a few
weeks since, the shaft of Death came, and the last
ceased its beating, for the Spirit had fled.

Mr. Cypiot was ill but a brief time, his illness was not
considered dangerous, until it was too late to arrest his
end and ending.

We have known Mr. Cypiot from his youth, he was
the nephew of the late Joseph Baettis of the Ramble
House that stood where now stands the Commercial
Hotel, this was in '63, and from that early time to the
present, we have known our departed



A BALLAD OF THE BOSTON TEA PARTY.

FLANNEL UNDERWEAR
The value of flannel next the skin is appreciated. It is invaluable to persons of all ages, in all countries, in all seasons, and every season of the year, for the same reason—in brief, I cannot conceive of a person in which flannel next the skin is not a source of health. It is changed from thick to thin before the weather of the summer, which in England is not much before the middle of June, but often before the first of July. Flannels for the summer must not be cotton, but they must be all woolen, and are the best protection. In the British army they make the wearing of flannel a discipline. During the hot season the doctor makes a daily examination of the feet of his patients, to make sure that they are wearing their flannels.—*Dr. Lewis.*

FLANNEL UNDERWEAR

LIFE AND HEALTH IN DANGER

WATER TANKS ON THE TOPS OF HOUSES.

1st, by direct communication with the main pipes to the emission faucets in the houses. This method supplies the water under the entire pressure from the head of the reservoir. The pressure in many parts of the town is far too great for the convenience of consumers. Accordingly another mode of introduction is resorted to.

The question of the purity of the water, and strictly careful analyses of the varied ingredients which the analytic chemist can detect, are from time to time urged upon the public, doubtfully appreciative of the scientific skill displayed; but let any house-keeper, not too lazy to take the trouble, enter a search into the contents of the tank on the roof; let him collect a bottle full of its *self*, and put one drop of it under the proper microscope and then pronounce—having seen it with his own eyes—upon the *sawp* which he drinks.

Many observers know that these house top tanks are the birthplace of mosquitoes, like any other swamps, only on a smaller scale, and that their offspring migrate into the apartments above them; that various devices of window screens and mosquito nets are resorted to, and that one house will be infested while adjacent ones will be exempt,—and yet the host of the mosquito truly piquant, fails to awake them to the quality of their beverage.

CHILDHOOD'S GRIEFS.

Even a boy's vacation in the country may not be full of pleasure unembittered, if we may judge from this extract from a young New Yorker's letter to his mother:

"The peach trees are too slippery for me to climb; uncle won't let me sail boats in the mill-pond; there's no bird's nests around here that I can see; Sallie Law split molasses on my pants; a smaller boy than I am, who plays with me wears a gold chain; and I want to go home."

CHILDHOOD'S GRIBES.

"The peach trees are too slippery for me to climb; Uncle won't let me sail boats in the milk pails; there's no bird's nests around here that I can see; Sallie Law split molasses on my best pants; a smaller boy than I am, who plays with me wears a gold chain; and I want to go home."

POLITENESS AT HOME.

Many parents who are polite and polished in their manners toward the world at large are perfectly bores inside the home circle. What wonder if the children are the same? If they should accidentally brash against another in the streets an apology would be sure to follow; but who ever thinks of offering an excuse to the little people, whose rights are constantly being violated by their careless elders? If a stranger offer the slightest service he is gratefully thanked; but who ever remembers to reward the little tireless fact that are travelling all day long up-stairs and down; for countless errands for somebody? It would be policy for parents to treat their children politely for the sake of obtaining more cheerful obedience, if for no other reason. The costliest one of all "If you please," and "I thank you," now and then will go far to lighten an otherwise burdensome task. Say to your son, "John shut the door," and with a scowl, he will more slowly towards it, and about it with a bang. The next time say, "John will you shut the door, please?" and he will hasten with a pleasant smile to do your bidding. Many children, as they grow older, are obliged to learn the rules of politeness as they would a lesson. The consequence is, when they appear in society they are awkward and blundering. On the other hand, children who have been accustomed to politeness at home are at their ease in the most polished circles, and are saved that confusion and bitter self-condemnation which are sure to follow any breach of the rules of etiquette.

DOMESTIC RECIPES

СВЯТАН РИЗ.

One egg broken in a pint of cold water, beat briskly till it foams, add flour sufficient to make a thin batter, one teaspoonful of sugar, and salt to taste. Bake on wafer mould, to be eaten while hot. They are excellent.

CHAP MURPHY.

SWEET POTATO CORN BISCUIT.

Three large potatoes boiled and mashed into a pint of meal, one tablespoonful of lard, one of sugar, one egg, and salt to taste. Bake in pans or as plain biscuit. They are a delightful breakfast dish.

WAPLER

QUEEN OF PUDDINGS.
Take one pint of nice bread crumbs, one quart of milk, one cup of sugar, the yolk of four eggs well beaten; the rind of a fresh lemon grated, a piece of butter the size of an egg; then bake until done. Now beat the whites of the four eggs to a

QUEEN OF PUDDINGS.

—Herald of Health.

THE DIFFICULTIES OF PROSPECTIVE
MATRIMONY.

THE DIFFICULTIES OF PROSPECTIVE MATRIMONY.

Duke of Saxe-Weimar-Gotha, as head of the family. The Duke rejoined that, since the recent changes in Germany, he looked upon the Emperor William as his sovereign, and must bow to his advice. The Emperor said he could do nothing without Prince Bismarck's opinion; and Prince Bismarck declared he had no opinion at all, on way or the other; and so the question—to marry or not to marry—was brought to a dead lock.

Sore Throat, Cold, and similar troubles.

suffered to progress, result in serious pulmonary affection
sometimes incurable. "Brown's Bronchial Trachea" reaches
directly the seat of the disease, and give almost instant relief.

LONGING.

SUB, through our paltry sin and strife,
Glow down the wished ideal,
And longing molds in clay what life
Envis in the marble Keat;
To let the new life in, we know,
Desire must ope the portal; —
Perhaps the longing to be so
Holds makes make the soul immortal.

Ah! let us hope that to our praise
 Good God not only reckons
 The moments when we tread His ways
 But when the spirit beckons—
 That some slight good is also wrought
 Beyond self-satisfaction,
 When we are simply good in thought,
 However we fail in action.

THE ADORATION OF WOMAN.

LAZY, BUT PHILOSOPHICAL.

A lady was recently reading to her child, a boy of seven years, a story of a little fellow whose father was taken sick and died, where-upon the youngster set himself diligently at work to assist in supporting himself and his mother. When she had finished the story, the following dialogue ensued:

LAZY, BUT PHILOSOPHICAL.

Mother—Now, my little son, if pa was to die wouldn't you work to help your mother?
Boy—(not relishing the idea of work). What, what for? Ain't we got a house to live in?
Mother—Oh yes, my child; but we can't eat the house, you know.
Boy—Well, ain't we got flour and sugar and other things in the storeroom?
Mother—Certainly, my dear; but they will not last long, what then?
Boy—Well, ma, etc., there enough to eat if you could get another husband.

MOLASSES CANDY

This can hardly be called a pharmaceutical preparation, unless it be considered as a preliminary step to the making of caramel, but we are willing to strain a point in order to oblige our readers, so here it is: Take molasses, 1 quart; brown sugar, 1-2 pounds; lemon-juice, 12 ounces; oil of lemon, 12 drops. Mix the molasses and sugar together, butter the inside of a kettle and put it in a water-bath. Let it boil over a moderate fire for two hours; then add the lemon-juice, and boil half an hour, stir it often to prevent burning. When thoroughly done, it will come out in a solid mass. Break it up, and pour it into a pan previously buttered, and allow it to cool. If successfully done it will be crisp and brittle; if not, it will be soft and sticky. Increase the proportion of sugar makes a harder candy.—W. B., in *Druggists' Circular*.

Did you ever see a child that did not have holes through the toes of its shoes? If you did they were protected by **SILVER TIPS**. They never wear through the toe. Try them.

and every package of *Notes*, or *Papers* must be put
go in the Newspaper Mail.

Miscellany.

LANDSEER AND HIS DOG.

Landseer, we are told, first made his name by a study of fighting dogs. It is supposed that as he was a town-bred and bred lad, the dog fight was the first kind of "sport" which he witnessed. Be this as it may, it is certain that he learned to paint dogs well and with great originality before he learned to paint other animals with skill and to put sporting scenes on canvas with the brilliancy of a master. In painting English sport Landseer was unrivaled. Having painted dogs with the greatest care, it is not strange that he was an excellent judge of them. The following anecdote of him is told by *Land and Water*:

It was some twenty years ago that a large party were assembled at one of the local ancestral homes of England, and among the guests expected was Sir Edwin Landseer. During the day the question turned upon which was the handsomest of two dogs, one a King Charles spaniel called Dash, belonging to the lady of the manor, and a terrier, the property of a gallant officer in the army, now an admiral. After describing the merits of the two dogs, an Englishman's argument, a wager, was resorted to; the doctress, if winner, to receive a certain number of Boulogne's best gloves from Paris, and to retain to herself the beautiful hunt waistcoat of red silk, ornamented with gold frogs, should his terrier carry off the prize. An understanding was then come to that Landseer should be the judge, but that his hint or remark was to be given or made to him. At ten o'clock, before dinner, and during the entire evening, Dash was moving about the room, or stretching himself upon the rug before a blazing fire. Next morning a visit to the stable was made by all the guests headed by the host and hostess. While admiring one of the duke's hunters, Tyke made his appearance. "What a beauty!" said Sir Edwin. The captain gave a kick at the horse, who immediately replied, "Fairly well," and within a week he appeared at table in the best of health. During the visit a sketch was made of Tyke, who afterward appeared as "Impudence" in that splendid work of art, "Dignity and Impudence." Fifteen years elapsed, when one day the captain found himself in a railway carriage bound for Chatham to join his ship, when who should enter the compartment but Landseer. For some time he looked at the gallant officer, and appeared anxious and perplexed; at last, as if in despair of not remembering the name of his companion, blurted out, "Tyke." A recognition followed, and a talk about old times whirled away the time until they reached Chatham, where they parted. Poor Tyke met with a sad end; he was bitten by a mad dog and strangled.—*The Turf, Field and Farm.*

BEN FRANKLIN'S BREECHEES.

The Pennsylvania Gazette, of February 22d, has this quaint advertisement:

"Stolen—B. Franklin's new seated breeches—Stolen on the 15th inst., by one William Lloyd, out of the house of Benjamin Franklin, an half-worn Bagatelle Coat, lined with Silk, four fine Shagreen Shirts, a fine Holland Shirt, ruffled at the cuffs and bosom, a pair of black broadcloth Breeches, new seated and lined with leather, two pair of good worsted Stockings, one of a dark color, and the other of a lightish blue, a coarse Cashmere handkerchief, marked with an F in red ink, a new pair of Calf Skin Shoes, a Boy's Cane Hat, and sundry other Things.

N.B.—The said Lloyd pretends to understand Latin and Greek, and has been a School-master; is an Irishman about 30 Years of Age, tall and slim. Had on a lightish Coloured Great Coat, red Jacket, a pair of Black Silk breeches, a gold felt Hat, too little for him, and sewed on the sides of the Crown with white Thread, and an old dark-coloured Wig; but perhaps may wear some of the clothes above mentioned.

Whoever secures the said Thefts that he may be brought to Justice, shall have Thirty Shilling Reward and reasonable charges paid by

B. FRANKLIN.

Philadelphia, Feb. 22, 1739.

DRUGGED WITH A CIGAR.

A Parisian commission merchant, M. Cohn, had purchased a quantity of jewelry for London houses to the value of \$6,000. On the evening of his departure for London he died with a number of his clerks, who accompanied him to the station, where he got into an empty compartment of the train which was to take him to Calais. Some minutes later four persons entered the carriage, and, although he would have preferred to be alone, finding there was no time for change, he engaged in conversation with them, at the same time keeping his hand on the traveling bag which contained his valuables. On arriving at Calais the strangers disappeared. M. Cohn proceeded on board the boat. He was immediately placed by a person whom he recognized as one of his fellow-travelers in the train, and who after a short discussion on the evils of sea-sickness, offered him a cigar, which he refused. His interlocutor, however, was very pressing, and tendered a case of which he called real Havana, which M. Cohn believed now, although he did not specially notice at the time, was not the same as used by the stranger himself. In the end M. Cohn took a cigar, and lighted and commenced smoking it when he at once became insensible. On recovering he found that he was at Dover, and that his traveling bag and his money had disappeared. Three trains were about to start. A search was made for both bag and stranger, and the telegraph was put into play, but without success.—*Paris Figaro.*

FORTUNES OF A WASH-BOILER.

There still lives in Weaverville, Trinity county, an old Irish lady known far and wide as "Madam Todd." She is now worth some two hundred thousand dollars, and about owns the place. Twenty-two years ago she arrived there with a wash-woman's fit-out, and among the various appliances was an enormous tin boiler, which she had made in Shasta and transported forty miles. Mr. Jesse Pierce now a valuable resident of Oakland, was driving a pack train there, and in keeping with the prices of the times, he charged her twenty dollars for transporting the boiler, whereat the Madam gumbled some, but added that "she didn't care a curse, as white shirts were worth a dollar a piece for washing in Weaverville."—*Oakland Transcript.*

Where is "parts unknown?" asks a correspondent of the Danbury News to which Bailey answers, very truthfully, "Where they don't advertise."

Marcus C. Hawley & Co.

Importers and Wholesale Dealers in

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AND

Agricultural Implements,

108 & 110 Front street and

12 & 14 Pine street,

SAN FRANCISCO,

SOLE AGENTS FOR

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THE "DEERE" GENUINE MOLINE PLOW,

all sizes from 7 to 18 inches.

The DEER PLOW is far Superior to all other Steel Plows.

Burdick's National Hay Cutter

for Simplicity, Durability and Rapid Cutting is not equalled by any Cutter yet invented.

ALSO FOR SALE

"COLLINS" or "SMITH'S" Patent Cast Steel PLOWS from 7 to 20 inches.

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PEORIA PREMIUM PLOWS, all sizes,

CAST IRON PLOWS, all sizes,

CAST IRON SIDE HILL PLOWS.

"MILLER'S" PATENT CAST STEEL SIDE

HILL PLOW, it has no equal, all sizes,

SHOVEL PLOWS, Single and Double.

Also a full Stock of Plows, Harrows, Cultivators, Horse Rakes, and Harvesting Implements.

Send for Circulars, giving full description of Goods

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39.20

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The Machine CUTS, PLANTS, and COVERS, and does the work admirably, leaving a nice finished field.

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Pure Bloods,

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All Grades on to Pure.

These Goats are of superior form and beauty, and will be offered as may be wanted by purchasers. They can be seen at the farm of the undersigned, located four miles from the Railroad Depot.

For further particulars, address

N. GILMORE,

El Dorado, El Dorado Co.

N.B.—The undersigned can particularly refer to the Editor FARMER for the excellence of his Band of Goats, the Editor can also give particulars.

N. G.

37.17

BEE KEEPER'S DIRECTORY.

By J. S. HARRISON, Apiculturist, Sacramento



THIS BOOK HAS BEEN PREPARED by the Author with great care and the devotion of much time. From the experience of many years as an Apiculturist, the author has given results that must be of great value to all who have Bees. Every person who contemplates keeping of Bees should have this book, a volume of over 400 pages, fully illustrated, price only \$1.50.

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A very superior tract of Vineyard land of 170 Acres, the very best quality of soil for Vines. There is now 20 Acres of the choicest kind of vines in heavy bearing order, as proof of their productive power, there was 8,000 Gallons of Superior Wine made from these Vines three years ago, and their capacity increases—the Vineyard can easily be enlarged as the soil is in the best condition for it.

There is now 25 Acres seeded to Alfalfa, and 20 Acres more of Summer Fallow land ready for seeding.

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This Vineyard is located two miles west from "Shingle Springs" in Eldorado county, only three-eighths of a mile from the P. S. V. Valley Railroad, and is finely located and presents an opportunity to secure a fine Vineyard, Orchard and Farm rarely equalled.

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